

Data Path : Z:\svoasrv\HPCHEM1\BNA\_E\Data\BE121018\  
 Data File : BE098296.D  
 Acq On : 10 Dec 2018 13:06  
 Operator : SJ/JU  
 Sample : SSTDICC0.8  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC0.8

Quant Time: Dec 10 14:03:00 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 13:04:34 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.86  | 152  | 1699     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.67 | 136  | 7442     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.53 | 164  | 4734     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.28 | 188  | 12581    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.46 | 240  | 12702    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 24.01 | 264  | 11670    | 0.40 | ng    | 0.00     |

|                             |       |     |        |      |    |      |
|-----------------------------|-------|-----|--------|------|----|------|
| System Monitoring Compounds |       |     |        |      |    |      |
| 4) 2-Fluorophenol           | 5.46  | 112 | 3164   | 0.70 | ng | 0.00 |
| 5) Phenol-d6                | 7.04  | 99  | 4526   | 0.71 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 9.02  | 82  | 5379   | 0.71 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.27 | 152 | 9570   | 0.79 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 16.02 | 330 | 1475   | 0.66 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 13.15 | 172 | 15034  | 0.77 | ng | 0.00 |
| 25) Fluoranthene-d10        | 19.31 | 212 | 127430 | 0.75 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.91 | 244 | 24638  | 0.86 | ng | 0.00 |

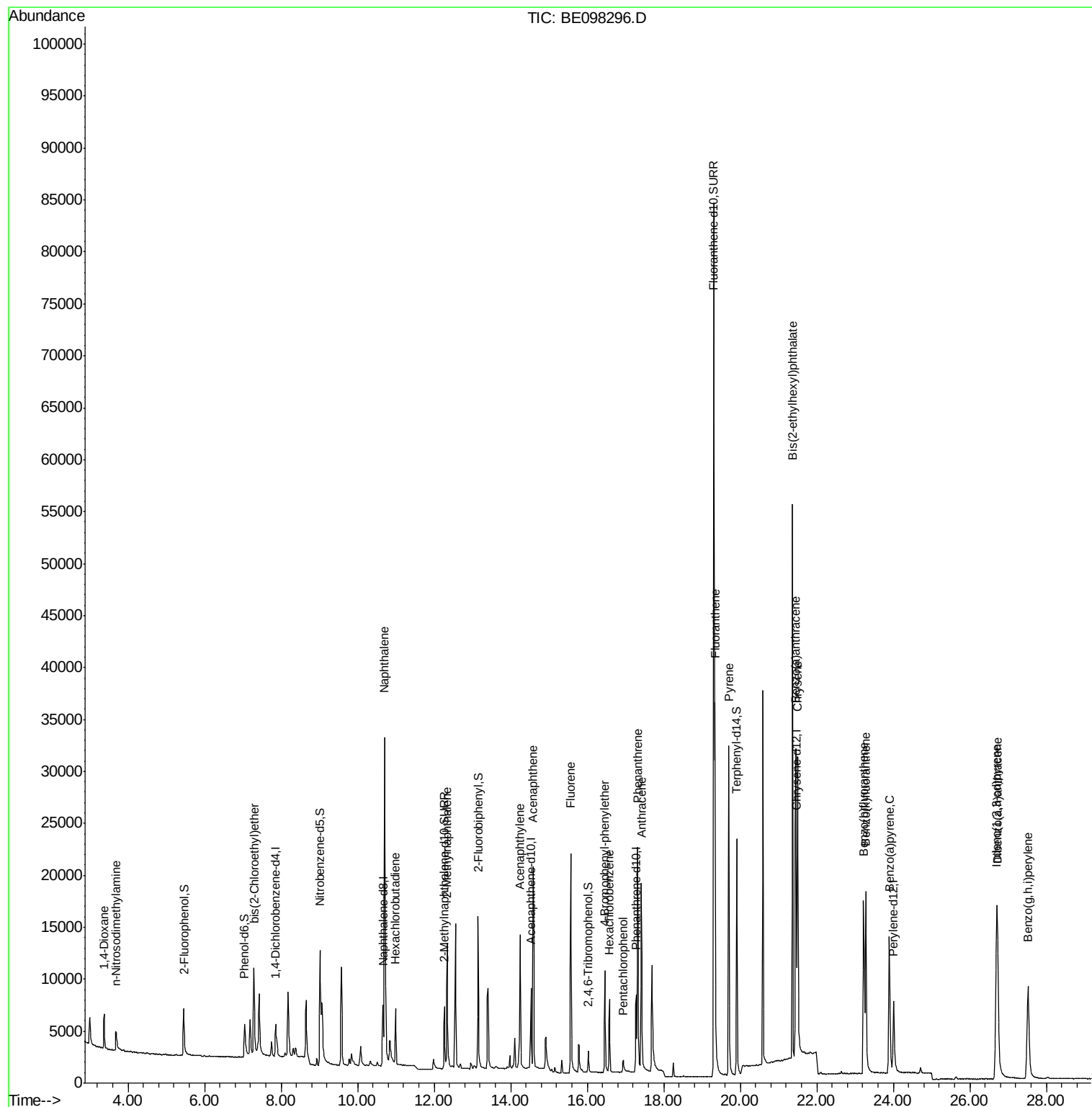
|                                |       |     |       |        |    |       |
|--------------------------------|-------|-----|-------|--------|----|-------|
| Target Compounds               |       |     |       | Qvalue |    |       |
| 2) 1,4-Dioxane                 | 3.37  | 88  | 2151  | 0.683  | ng | 98    |
| 3) n-Nitrosodimethylamine      | 3.68  | 42  | 2100  | 0.644  | ng | # 100 |
| 6) bis(2-Chloroethyl)ether     | 7.29  | 93  | 4186  | 0.712  | ng | 99    |
| 9) Naphthalene                 | 10.71 | 128 | 57982 | 0.775  | ng | 99    |
| 10) Hexachlorobutadiene        | 10.99 | 225 | 3655  | 0.762  | ng | 99    |
| 12) 2-Methylnaphthalene        | 12.34 | 142 | 9623  | 0.775  | ng | 99    |
| 16) Acenaphthylene             | 14.24 | 152 | 17030 | 0.771  | ng | 100   |
| 17) Acenaphthene               | 14.59 | 154 | 10377 | 0.788  | ng | 99    |
| 18) Fluorene                   | 15.57 | 166 | 14034 | 0.804  | ng | 99    |
| 20) 4-Bromophenyl-phenylether  | 16.46 | 248 | 5377  | 0.755  | ng | # 88  |
| 21) Hexachlorobenzene          | 16.58 | 284 | 5648  | 0.767  | ng | 97    |
| 22) Pentachlorophenol          | 16.94 | 266 | 988   | 0.414  | ng | 92    |
| 23) Phenanthrene               | 17.31 | 178 | 23976 | 0.767  | ng | 100   |
| 24) Anthracene                 | 17.41 | 178 | 21588 | 0.742  | ng | 99    |
| 26) Fluoranthene               | 19.34 | 202 | 31972 | 0.750  | ng | 99    |
| 28) Pyrene                     | 19.70 | 202 | 32654 | 0.928  | ng | 100   |
| 30) Benzo(a)anthracene         | 21.45 | 228 | 28370 | 0.758  | ng | 98    |
| 31) Chrysene                   | 21.50 | 228 | 29478 | 0.776  | ng | 98    |
| 32) Bis(2-ethylhexyl)phthalate | 21.37 | 149 | 55100 | 0.615  | ng | 99    |
| 33) Indeno(1,2,3-cd)pyrene     | 26.69 | 276 | 29359 | 0.764  | ng | 99    |
| 35) Benzo(b)fluoranthene       | 23.22 | 252 | 25479 | 0.745  | ng | 95    |
| 36) Benzo(k)fluoranthene       | 23.28 | 252 | 29568 | 0.823  | ng | 97    |
| 37) Benzo(a)pyrene             | 23.89 | 252 | 25735 | 0.781  | ng | # 93  |
| 38) Dibenzo(a,h)anthracene     | 26.72 | 278 | 24488 | 0.784  | ng | 96    |
| 39) Benzo(g,h,i)perylene       | 27.52 | 276 | 24915 | 0.796  | ng | 98    |

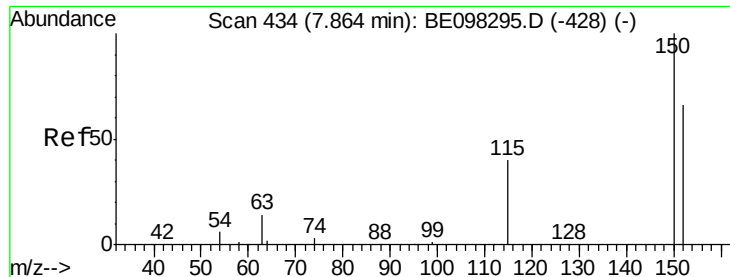
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_E\Data\BE121018\  
Data File : BE098296.D  
Acq On : 10 Dec 2018 13:06  
Operator : SJ/JU  
Sample : SSTDICC0.8  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC0.8

Quant Time: Dec 10 14:03:00 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 13:04:34 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: BE098296.D

Acq: 10 Dec 2018 13:06

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.8

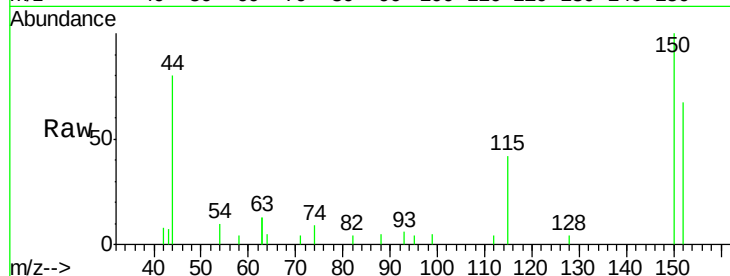
Tgt Ion:152 Resp: 1699

Ion Ratio Lower Upper

152 100

150 148.9 124.2 186.4

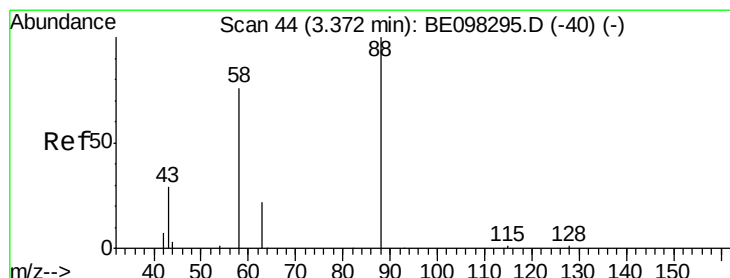
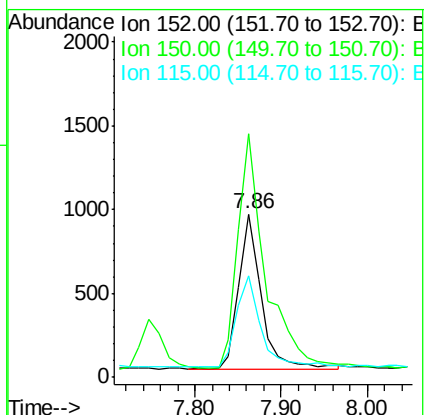
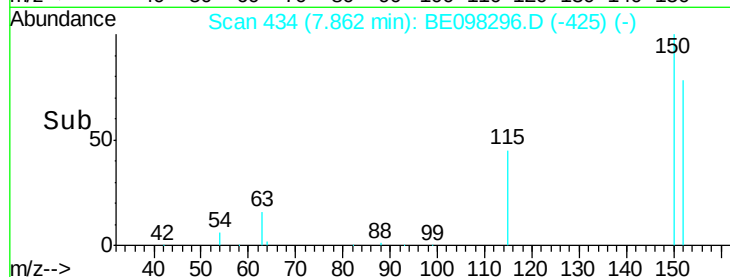
115 62.1 53.9 80.9



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: 0.683 ng

RT: 3.37 min Scan# 44

Delta R.T. -0.00 min

Lab File: BE098296.D

Acq: 10 Dec 2018 13:06

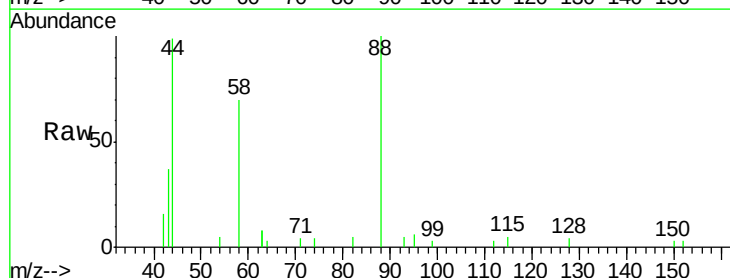
Tgt Ion: 88 Resp: 2151

Ion Ratio Lower Upper

88 100

58 93.4 75.0 112.6

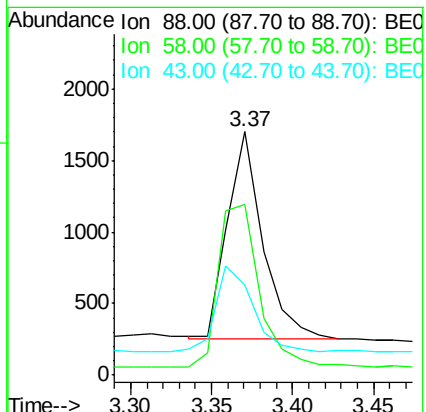
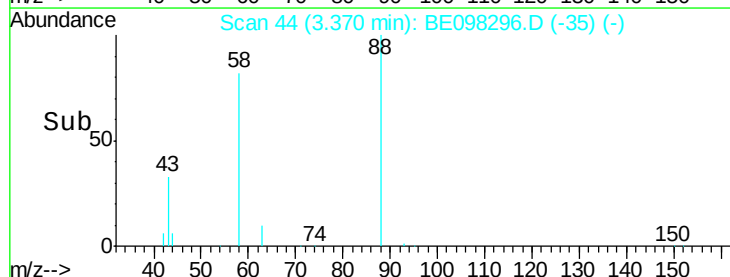
43 45.0 38.3 57.5

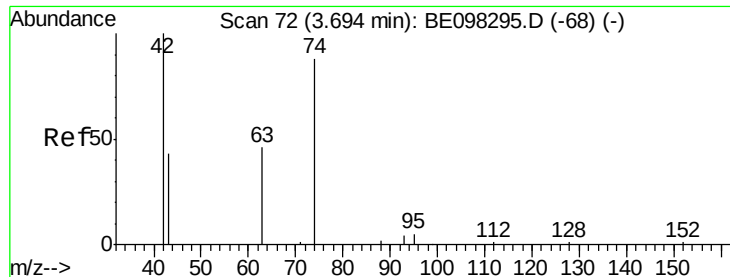


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.644 ng

RT: 3.68 min Scan# 71

Delta R.T. -0.01 min

Lab File: BE098296.D

Acq: 10 Dec 2018 13:06

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.8

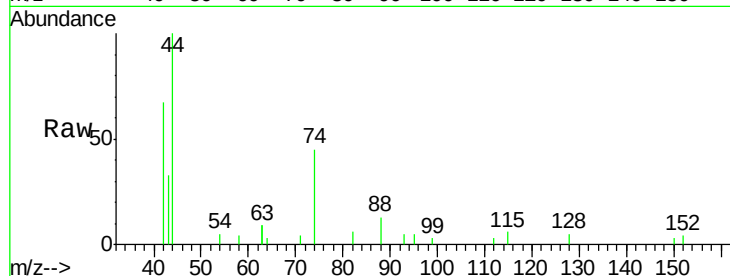
Tgt Ion: 42 Resp: 2100

Ion Ratio Lower Upper

42 100

74 86.2 0.0 0.0#

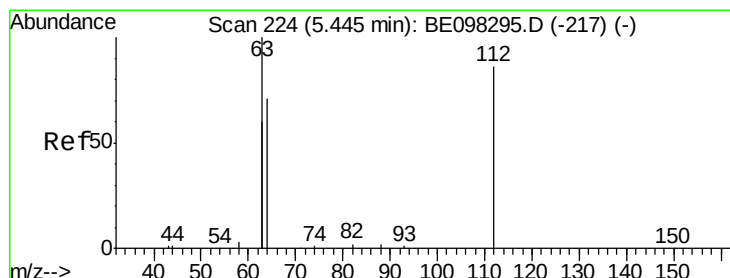
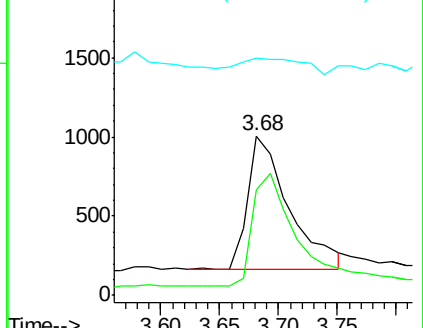
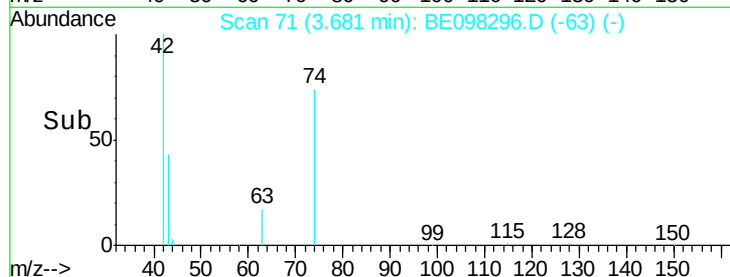
44 18.8 0.0 0.0#



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: 0.698 ng

RT: 5.46 min Scan# 225

Delta R.T. 0.01 min

Lab File: BE098296.D

Acq: 10 Dec 2018 13:06

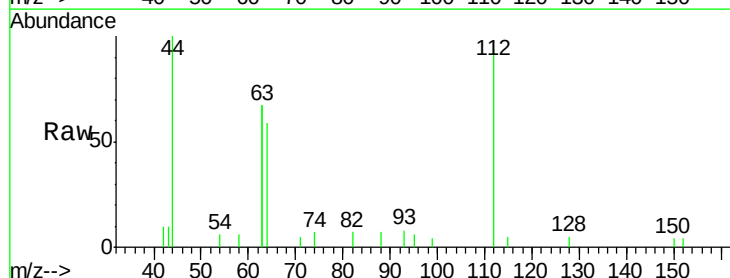
Tgt Ion: 112 Resp: 3164

Ion Ratio Lower Upper

112 100

64 75.3 59.8 89.8

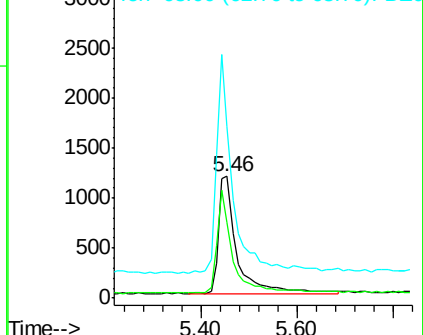
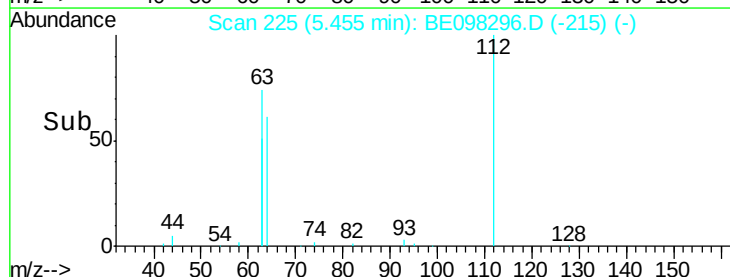
63 162.8 133.7 200.5

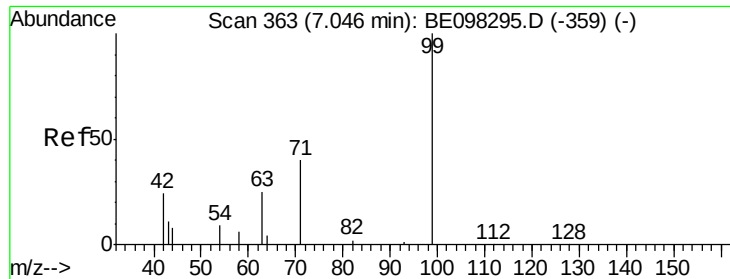


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.708 ng

RT: 7.04 min Scan# 363

Delta R.T. -0.00 min

Lab File: BE098296.D

Acq: 10 Dec 2018 13:06

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.8

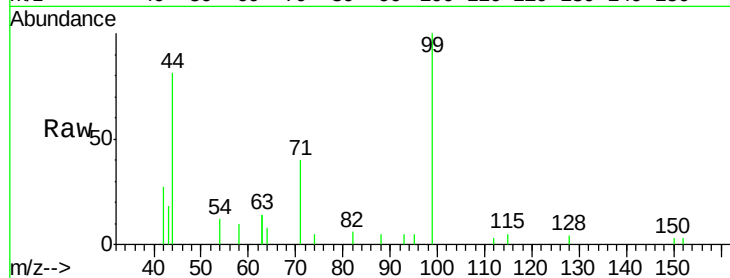
Tgt Ion: 99 Resp: 4526

Ion Ratio Lower Upper

99 100

42 26.6 26.3 39.5

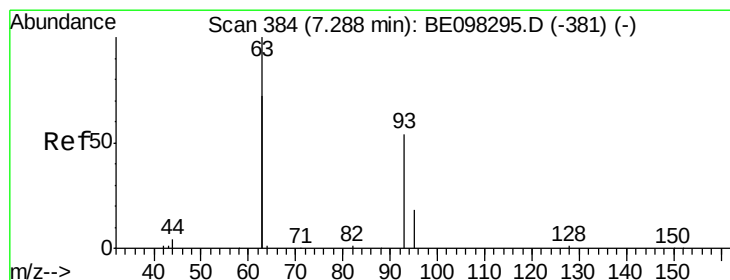
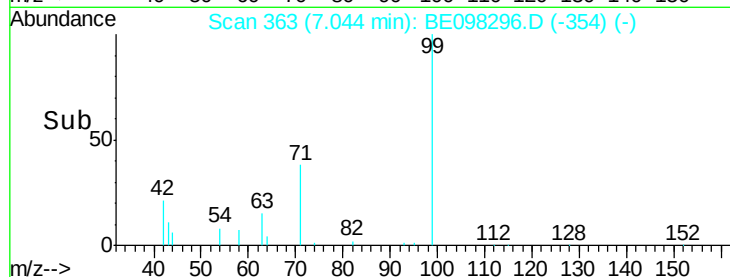
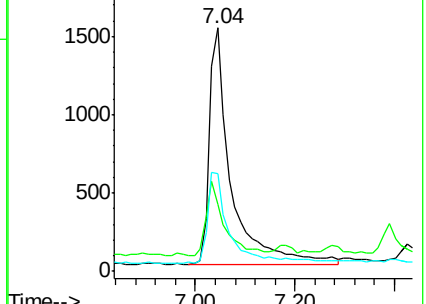
71 38.4 33.6 50.4



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: 0.712 ng

RT: 7.29 min Scan# 384

Delta R.T. -0.00 min

Lab File: BE098296.D

Acq: 10 Dec 2018 13:06

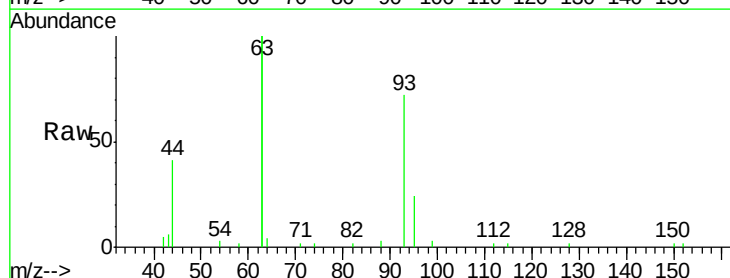
Tgt Ion: 93 Resp: 4186

Ion Ratio Lower Upper

93 100

63 327.5 264.4 396.6

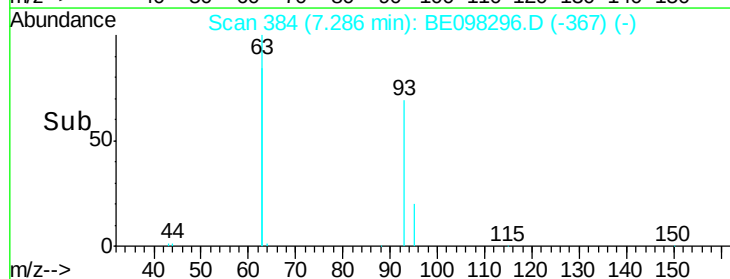
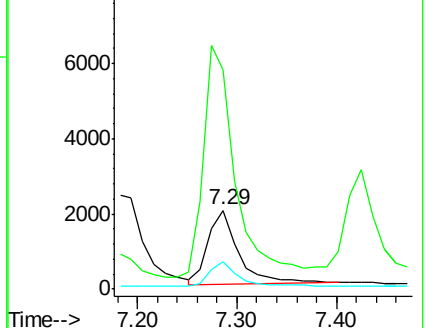
95 34.4 26.6 40.0

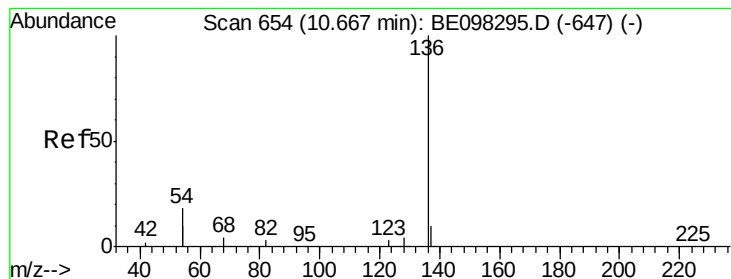


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.67 min Scan# 654

Delta R.T. -0.00 min

Lab File: BE098296.D

Acq: 10 Dec 2018 13:06

Instrument :

BNA\_E

ClientSampled :

SSTDIC0.8

Tgt Ion:136 Resp: 7442

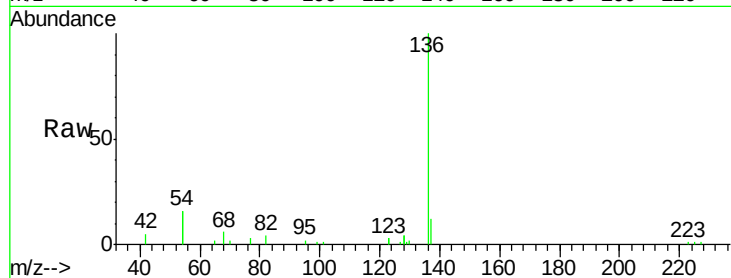
Ion Ratio Lower Upper

136 100

137 12.4 9.2 13.8

54 32.7 28.4 42.6

68 5.7 5.4 8.0

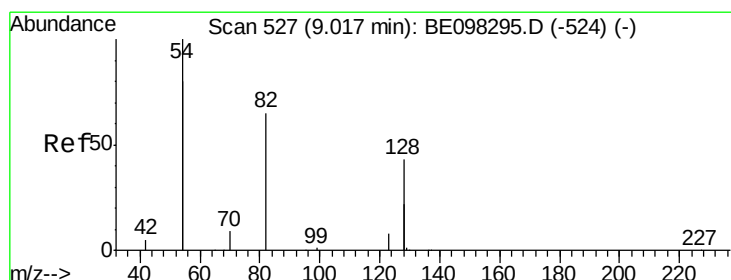
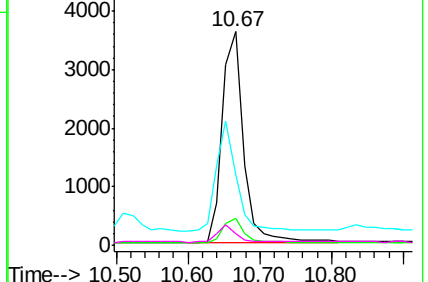
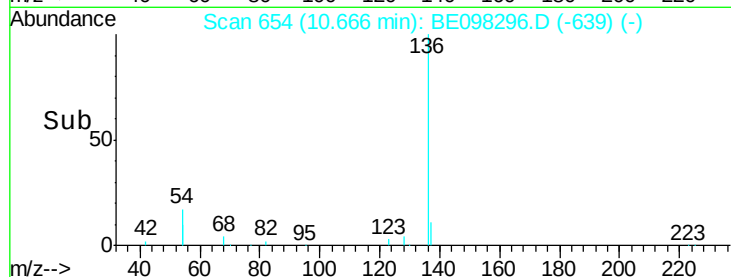


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.714 ng

RT: 9.02 min Scan# 527

Delta R.T. -0.00 min

Lab File: BE098296.D

Acq: 10 Dec 2018 13:06

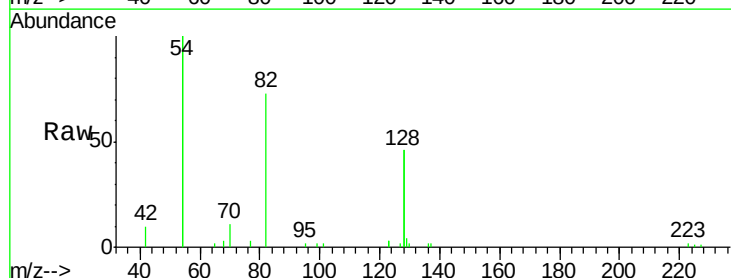
Tgt Ion: 82 Resp: 5379

Ion Ratio Lower Upper

82 100

128 125.5 102.4 153.6

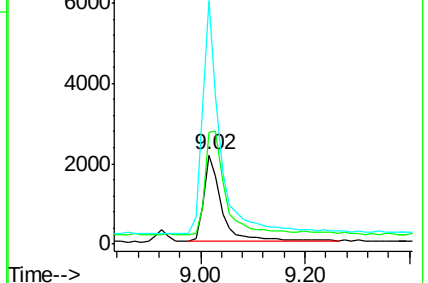
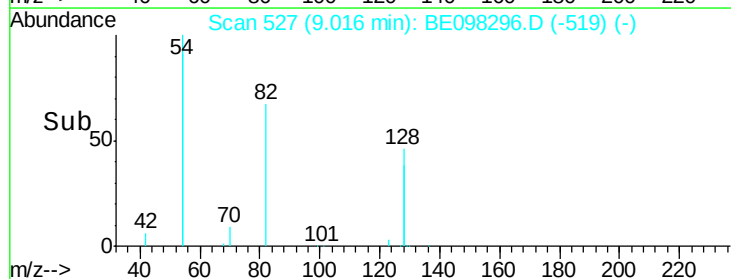
54 273.6 221.8 332.8

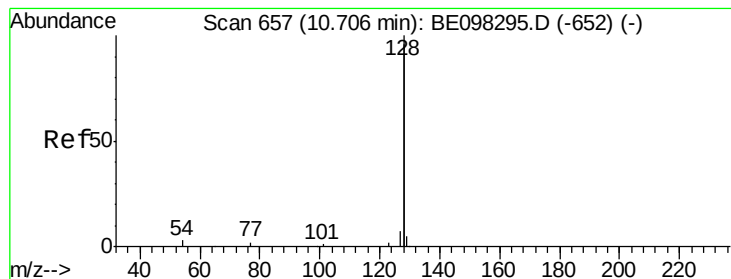


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.775 ng

RT: 10.71 min Scan# 657

Delta R.T. -0.00 min

Lab File: BE098296.D

Acq: 10 Dec 2018 13:06

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.8

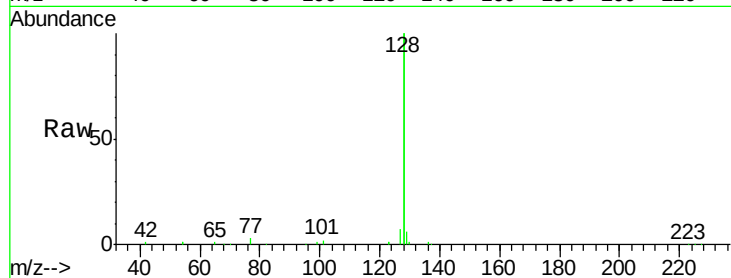
Tgt Ion:128 Resp: 57982

Ion Ratio Lower Upper

128 100

129 2.8 2.5 3.7

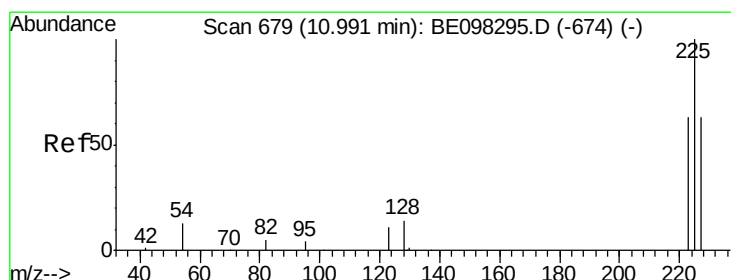
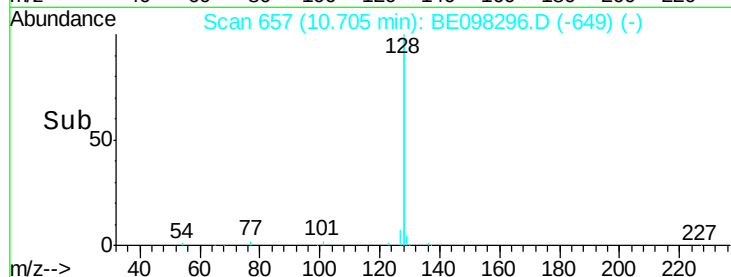
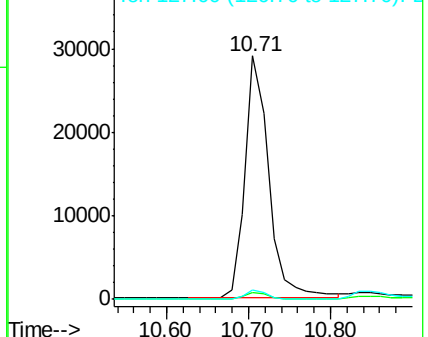
127 3.6 2.7 4.1



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: 0.762 ng

RT: 10.99 min Scan# 679

Delta R.T. -0.00 min

Lab File: BE098296.D

Acq: 10 Dec 2018 13:06

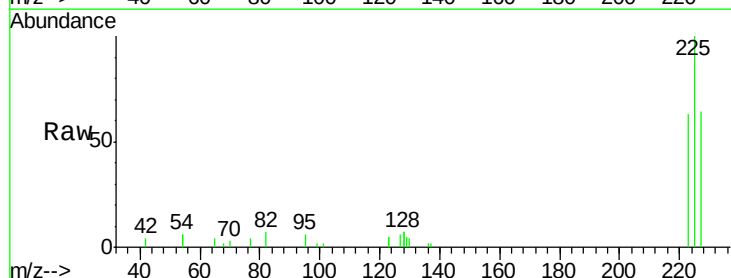
Tgt Ion:225 Resp: 3655

Ion Ratio Lower Upper

225 100

223 62.5 49.4 74.0

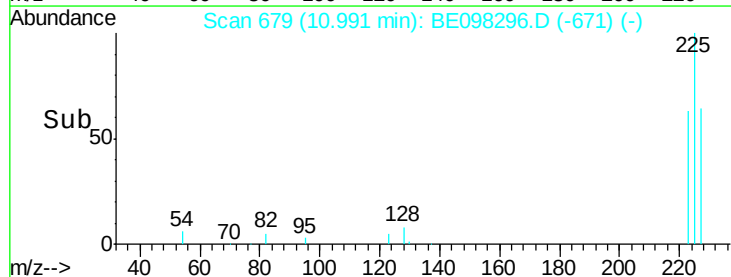
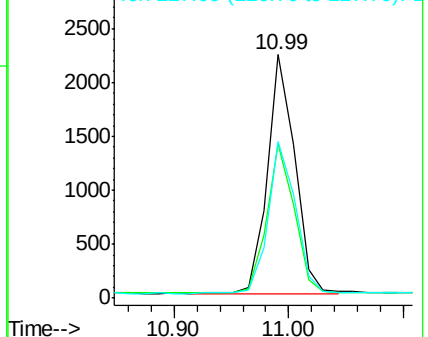
227 63.4 52.0 78.0

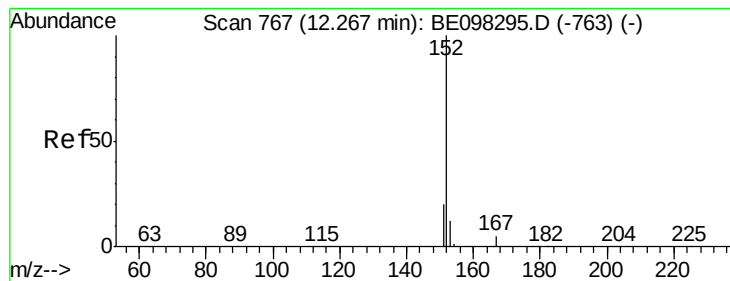


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.792 ng

RT: 12.27 min Scan# 767

Delta R.T. -0.00 min

Lab File: BE098296.D

Acq: 10 Dec 2018 13:06

Instrument :

BNA\_E

ClientSampleId :

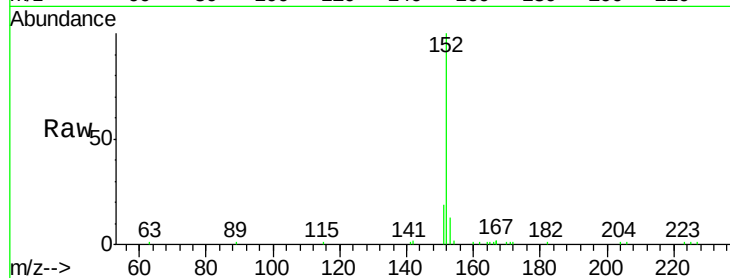
SSTDICC0.8

Tgt Ion:152 Resp: 9570

Ion Ratio Lower Upper

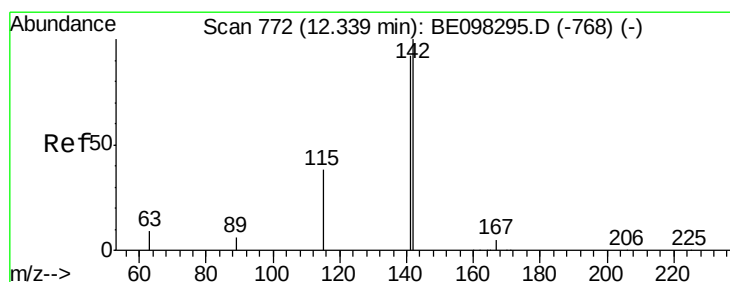
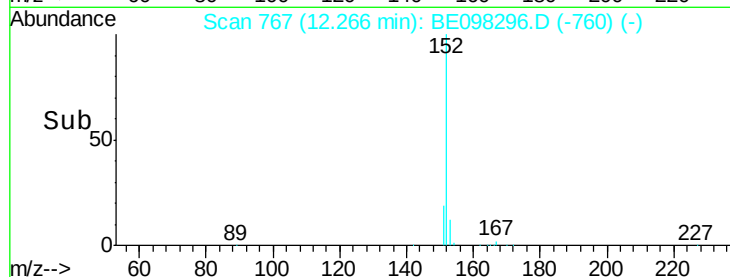
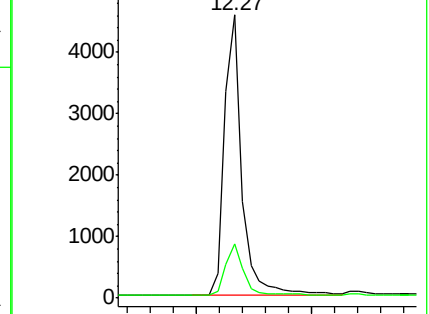
152 100

151 19.6 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: 0.775 ng

RT: 12.34 min Scan# 772

Delta R.T. -0.00 min

Lab File: BE098296.D

Acq: 10 Dec 2018 13:06

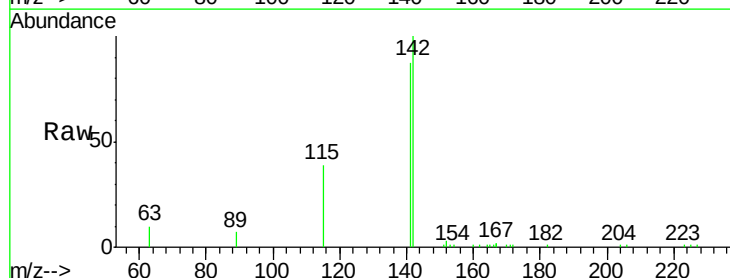
Tgt Ion:142 Resp: 9623

Ion Ratio Lower Upper

142 100

141 87.5 71.0 106.6

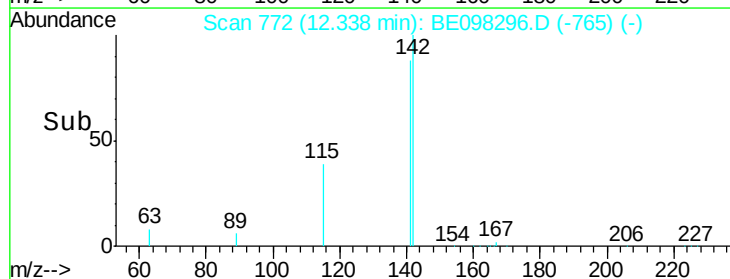
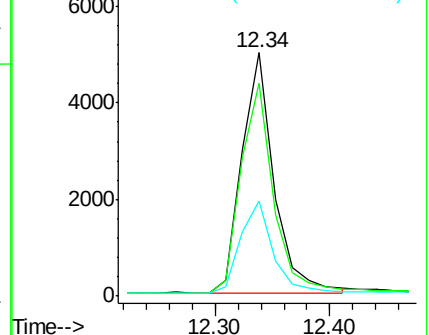
115 39.2 32.2 48.2



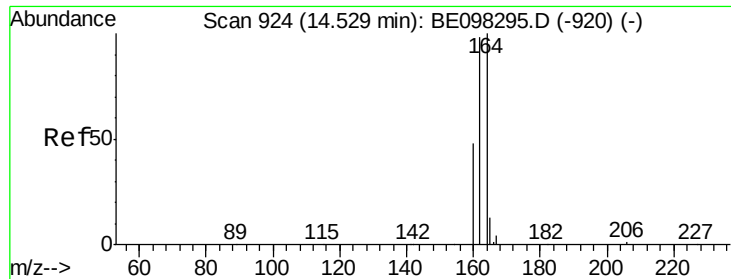
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



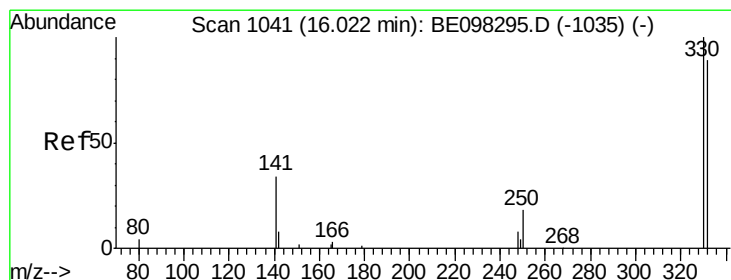
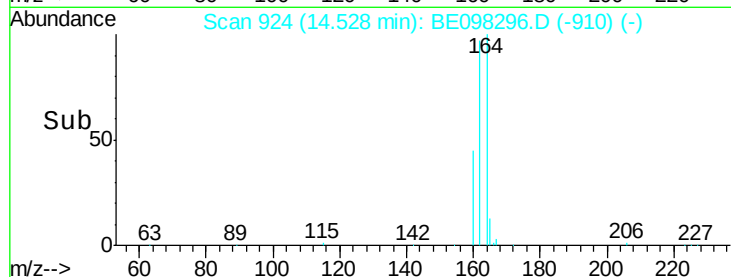
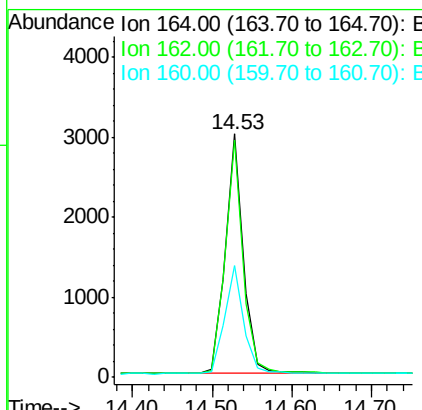
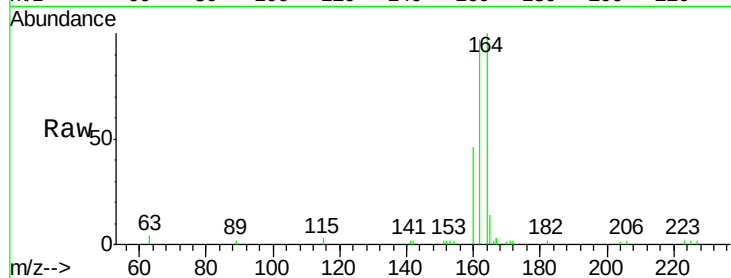




#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.53 min Scan# 924  
 Delta R.T. -0.00 min  
 Lab File: BE098296.D  
 Acq: 10 Dec 2018 13:06

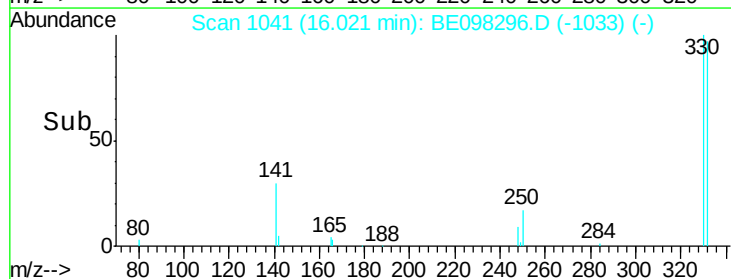
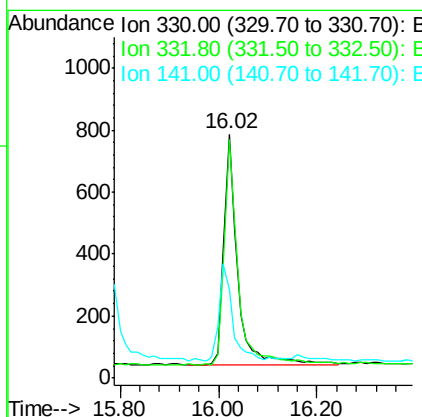
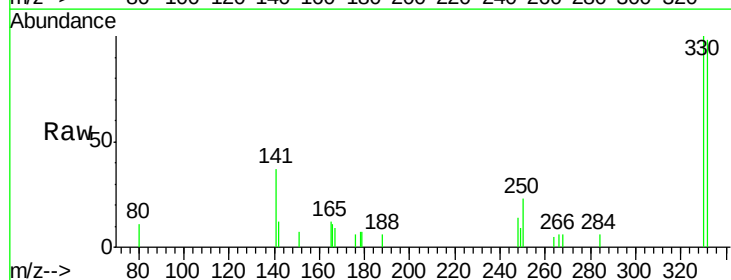
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC0.8

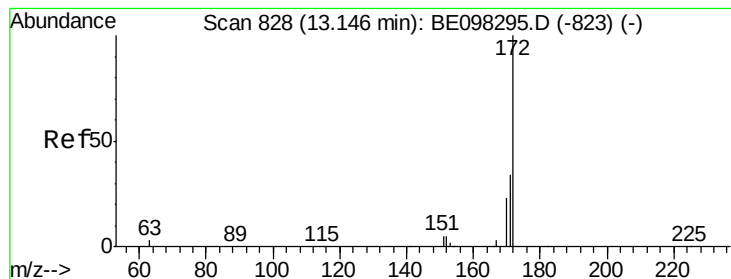
Tgt Ion:164 Resp: 4734  
 Ion Ratio Lower Upper  
 164 100  
 162 97.2 77.6 116.4  
 160 46.1 36.0 54.0



#14  
 2,4,6-Tribromophenol  
 Concen: 0.657 ng  
 RT: 16.02 min Scan# 1041  
 Delta R.T. -0.00 min  
 Lab File: BE098296.D  
 Acq: 10 Dec 2018 13:06

Tgt Ion:330 Resp: 1475  
 Ion Ratio Lower Upper  
 330 100  
 332 95.0 76.2 114.4  
 141 40.4 39.0 58.4





#15

2-Fluorobiphenyl

Concen: 0.767 ng

RT: 13.15 min Scan# 828

Delta R.T. -0.00 min

Lab File: BE098296.D

Acq: 10 Dec 2018 13:06

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.8

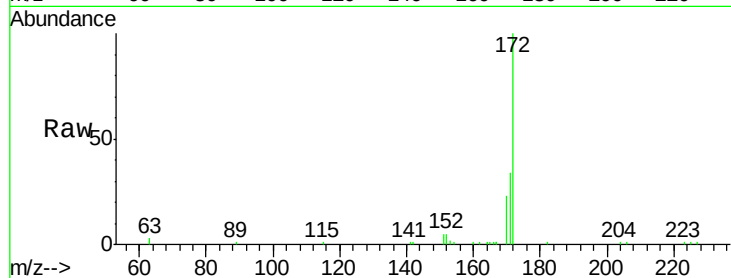
Tgt Ion:172 Resp: 15034

Ion Ratio Lower Upper

172 100

171 33.6 27.5 41.3

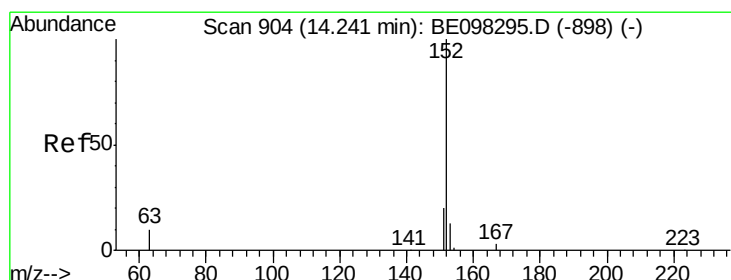
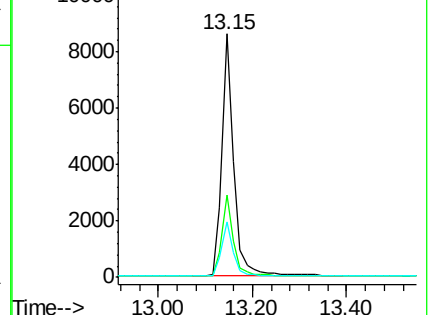
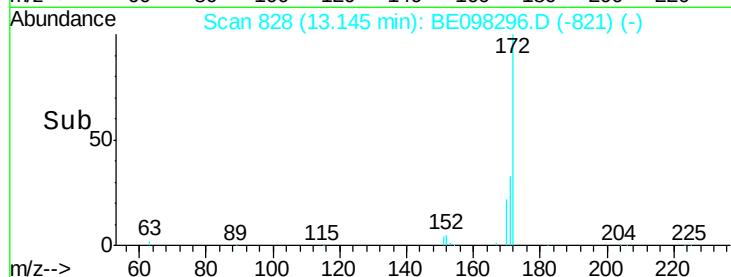
170 22.9 19.6 29.4



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: 0.771 ng

RT: 14.24 min Scan# 904

Delta R.T. -0.00 min

Lab File: BE098296.D

Acq: 10 Dec 2018 13:06

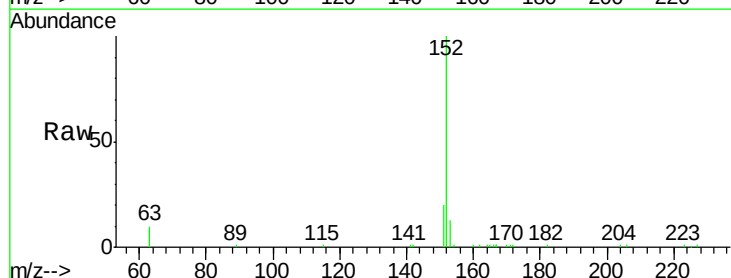
Tgt Ion:152 Resp: 17030

Ion Ratio Lower Upper

152 100

151 19.5 15.5 23.3

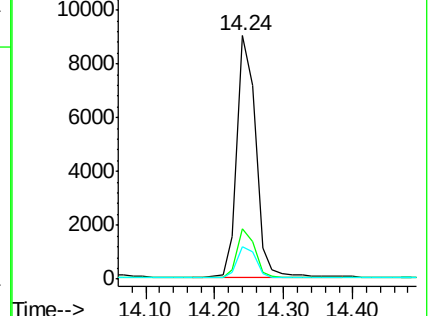
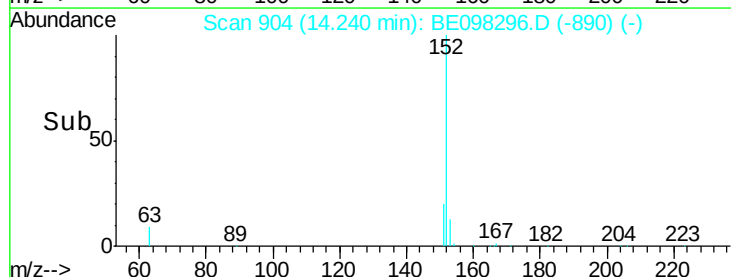
153 13.0 10.6 16.0

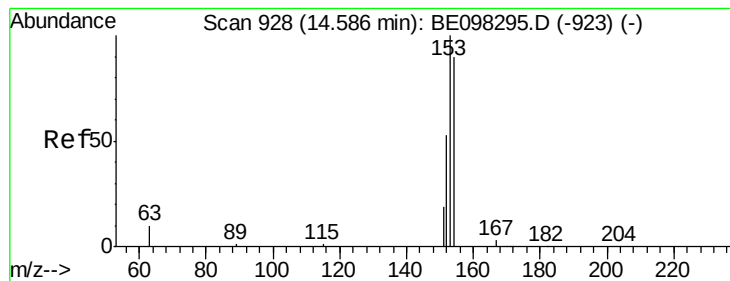


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.788 ng

RT: 14.59 min Scan# 928

Delta R.T. -0.00 min

Lab File: BE098296.D

Acq: 10 Dec 2018 13:06

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.8

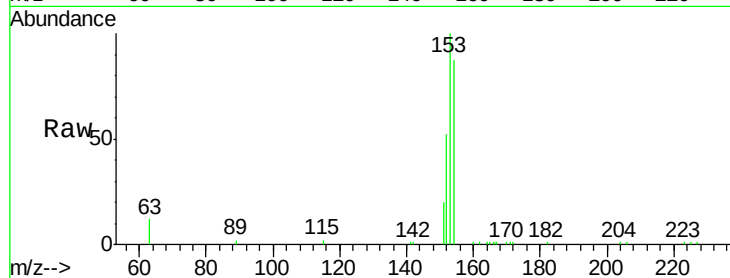
Tgt Ion:154 Resp: 10377

Ion Ratio Lower Upper

154 100

153 113.9 91.8 137.6

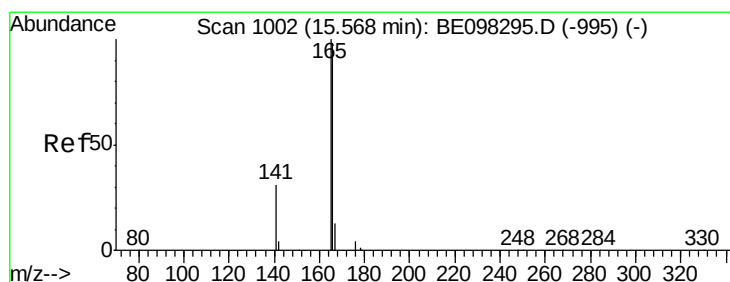
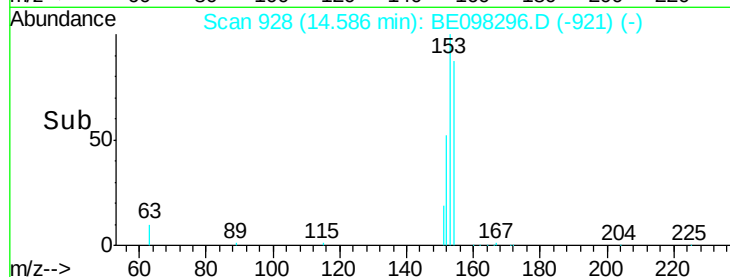
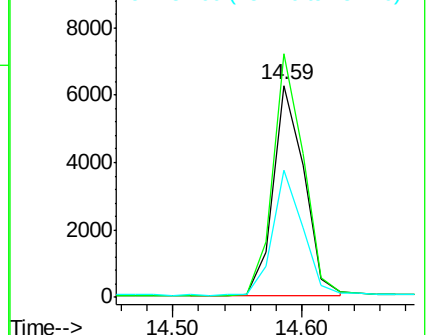
152 57.8 45.5 68.3



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: 0.804 ng

RT: 15.57 min Scan# 1002

Delta R.T. -0.00 min

Lab File: BE098296.D

Acq: 10 Dec 2018 13:06

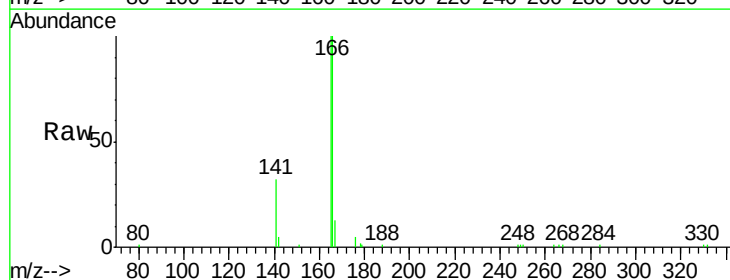
Tgt Ion:166 Resp: 14034

Ion Ratio Lower Upper

166 100

165 98.6 79.3 118.9

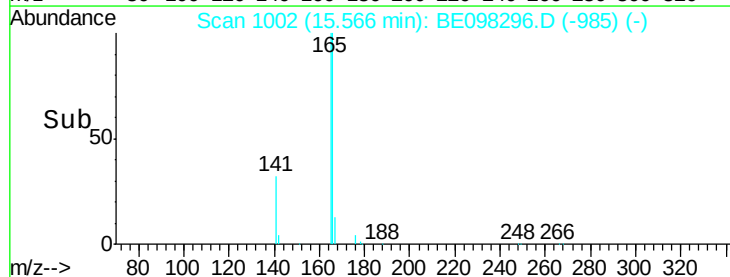
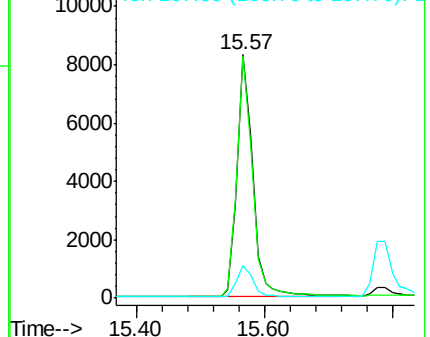
167 13.6 11.3 16.9

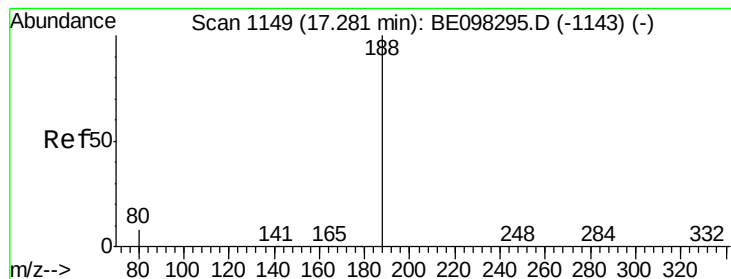


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.28 min Scan# 1149

Delta R.T. -0.00 min

Lab File: BE098296.D

Acq: 10 Dec 2018 13:06

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.8

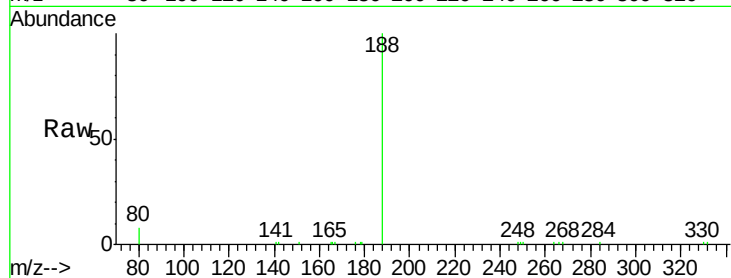
Tgt Ion:188 Resp: 12581

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

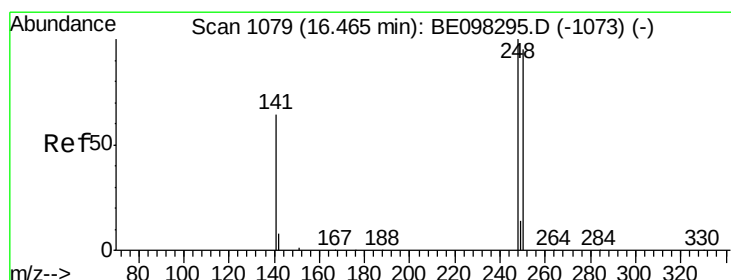
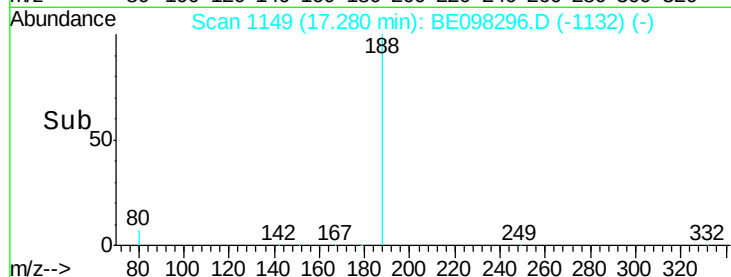
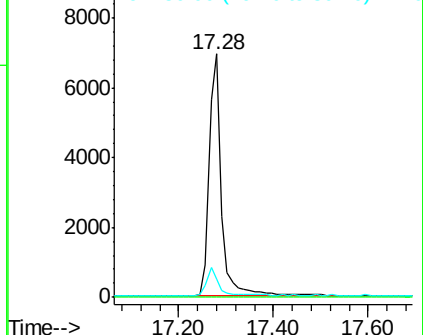
80 7.6 7.2 10.8



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: 0.755 ng

RT: 16.46 min Scan# 1079

Delta R.T. -0.00 min

Lab File: BE098296.D

Acq: 10 Dec 2018 13:06

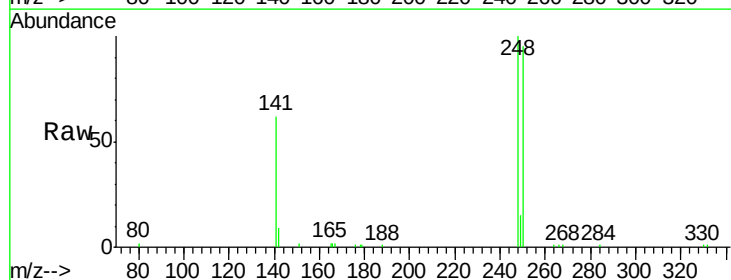
Tgt Ion:248 Resp: 5377

Ion Ratio Lower Upper

248 100

250 94.8 71.0 106.6

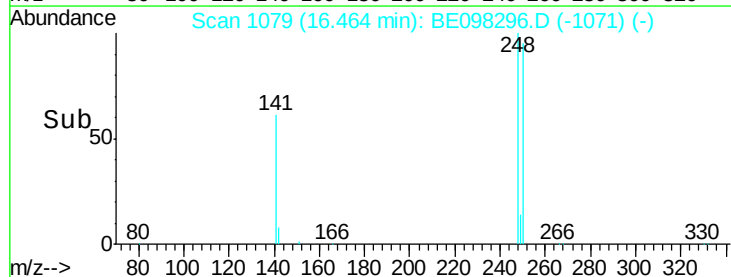
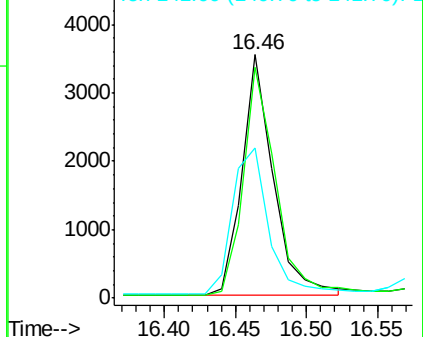
141 61.8 62.1 93.1#

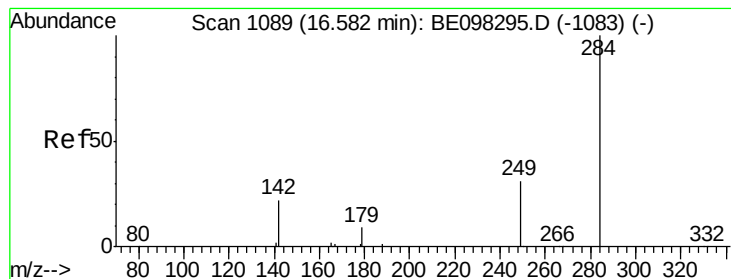


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.767 ng

RT: 16.58 min Scan# 1089

Delta R.T. -0.00 min

Lab File: BE098296.D

Acq: 10 Dec 2018 13:06

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.8

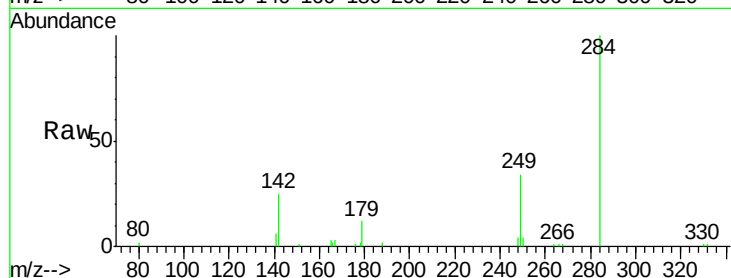
Tgt Ion:284 Resp: 5648

Ion Ratio Lower Upper

284 100

142 34.5 26.3 39.5

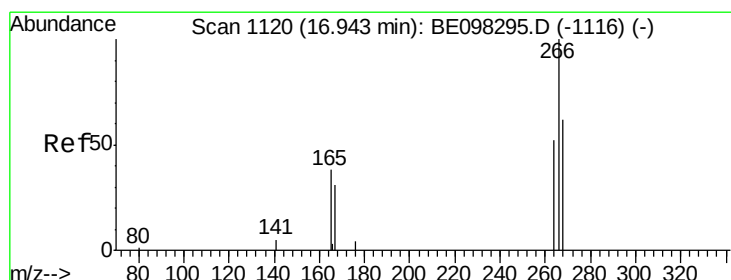
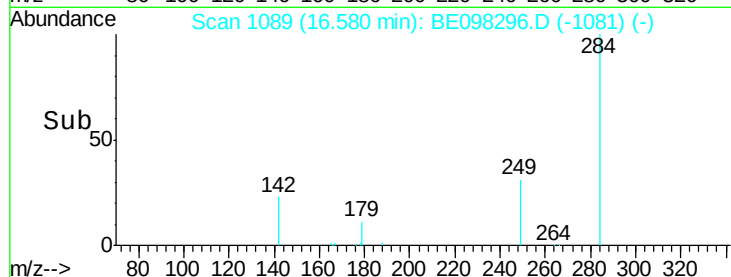
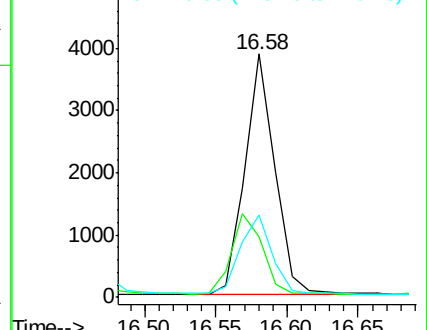
249 34.0 26.0 39.0



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: 0.414 ng

RT: 16.94 min Scan# 1120

Delta R.T. -0.00 min

Lab File: BE098296.D

Acq: 10 Dec 2018 13:06

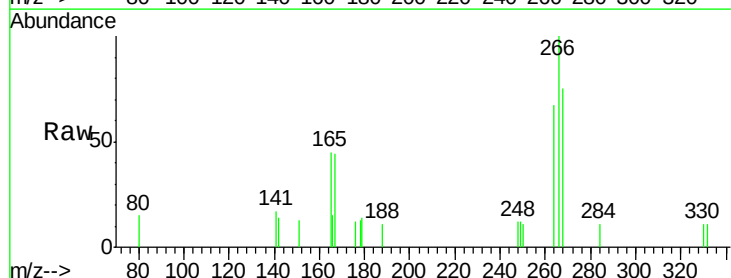
Tgt Ion:266 Resp: 988

Ion Ratio Lower Upper

266 100

264 66.9 59.0 88.4

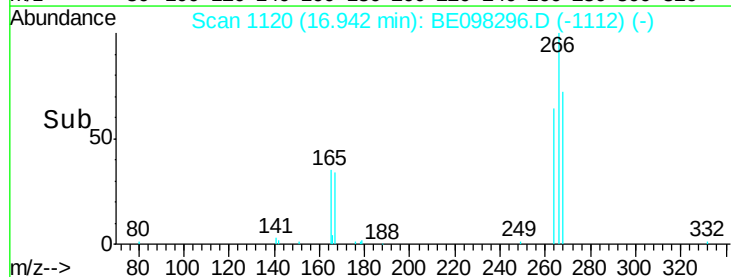
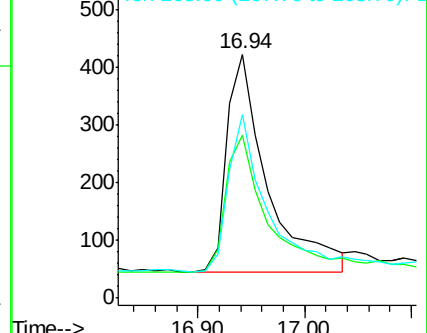
268 75.2 55.1 82.7

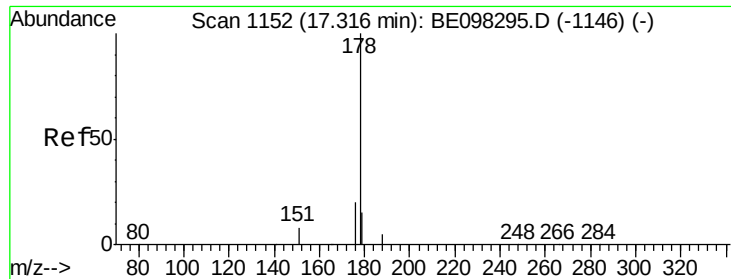


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.767 ng

RT: 17.31 min Scan# 1152

Delta R.T. -0.00 min

Lab File: BE098296.D

Acq: 10 Dec 2018 13:06

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.8

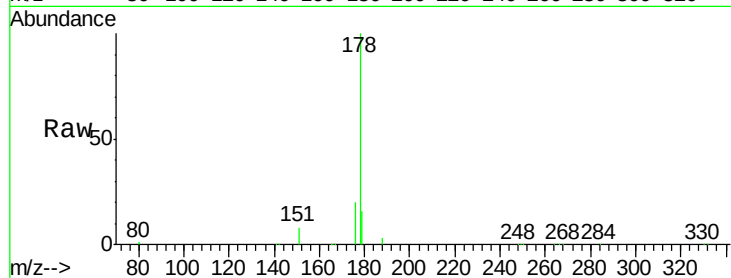
Tgt Ion:178 Resp: 23976

Ion Ratio Lower Upper

178 100

176 19.9 15.9 23.9

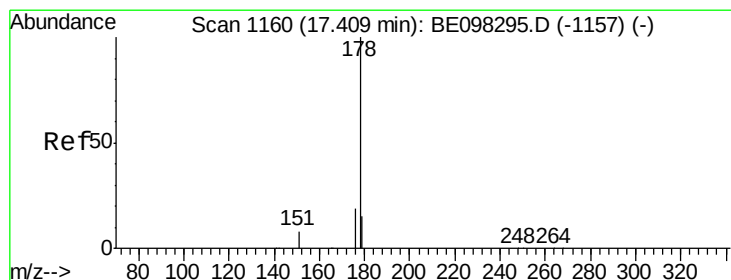
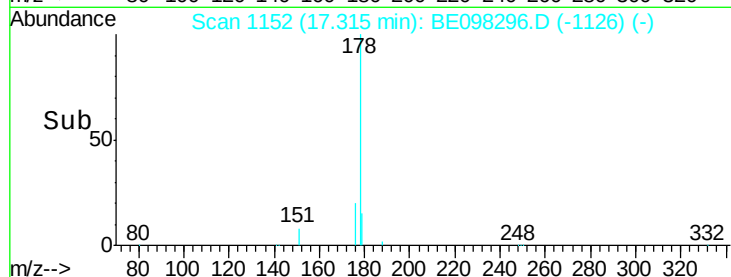
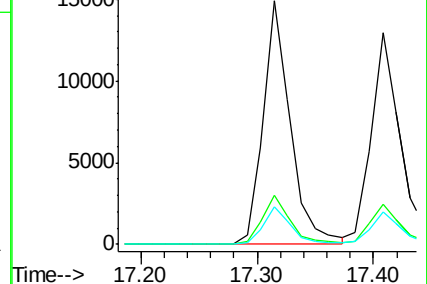
179 15.3 12.3 18.5



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: 0.742 ng

RT: 17.41 min Scan# 1160

Delta R.T. -0.00 min

Lab File: BE098296.D

Acq: 10 Dec 2018 13:06

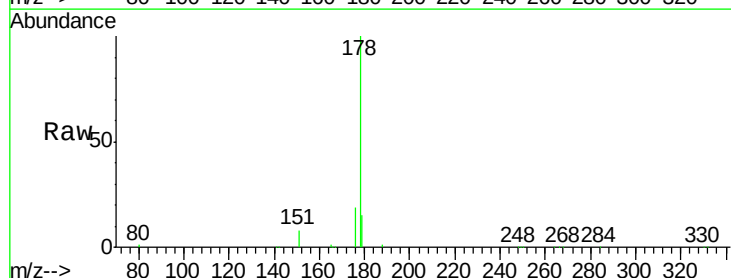
Tgt Ion:178 Resp: 21588

Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.4

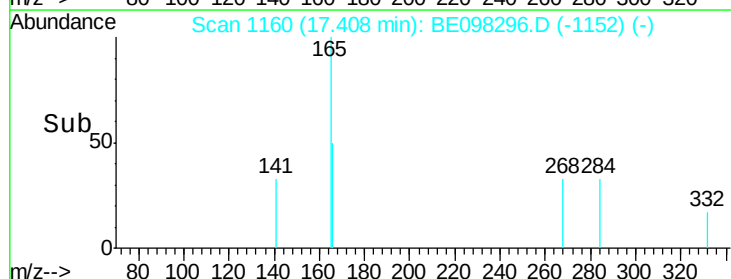
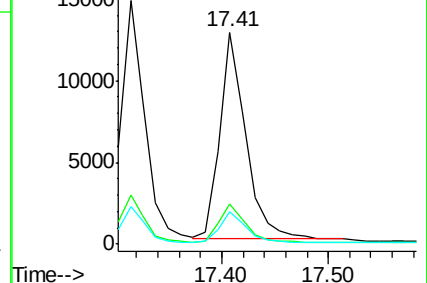
179 14.9 12.3 18.5

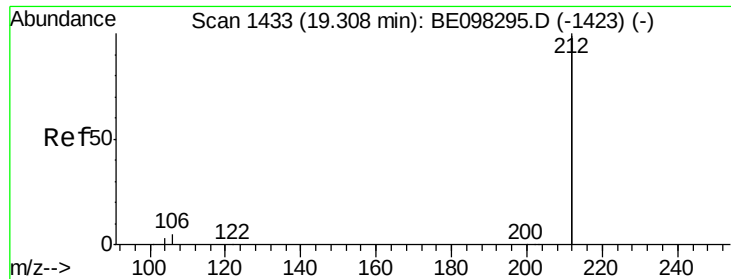


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.751 ng

RT: 19.31 min Scan# 1433

Delta R.T. 0.00 min

Lab File: BE098296.D

Acq: 10 Dec 2018 13:06

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.8

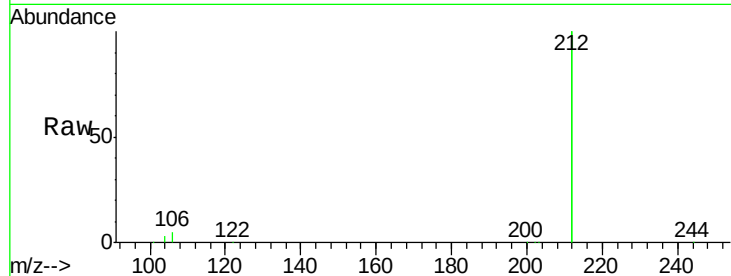
Tgt Ion:212 Resp: 127430

Ion Ratio Lower Upper

212 100

106 2.7 2.2 3.2

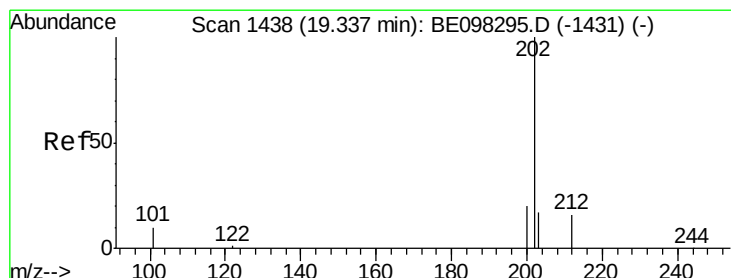
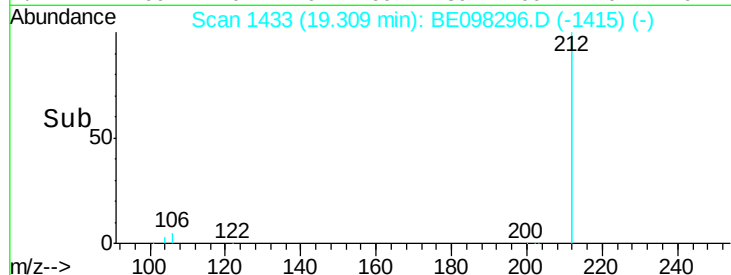
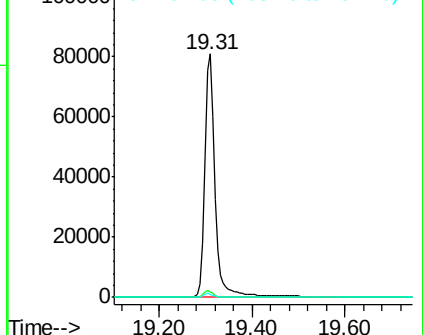
104 1.5 1.3 1.9



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: 0.750 ng

RT: 19.34 min Scan# 1438

Delta R.T. 0.00 min

Lab File: BE098296.D

Acq: 10 Dec 2018 13:06

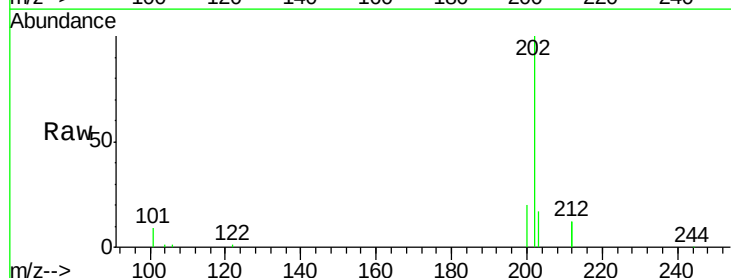
Tgt Ion:202 Resp: 31972

Ion Ratio Lower Upper

202 100

101 10.0 8.0 12.0

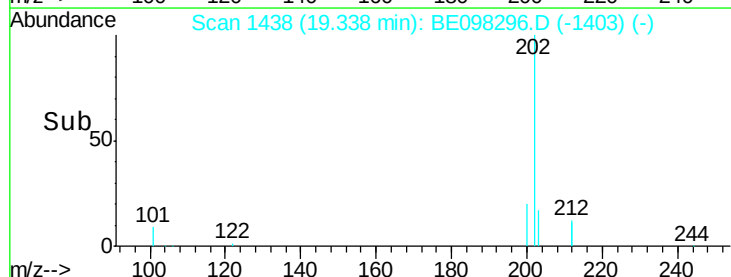
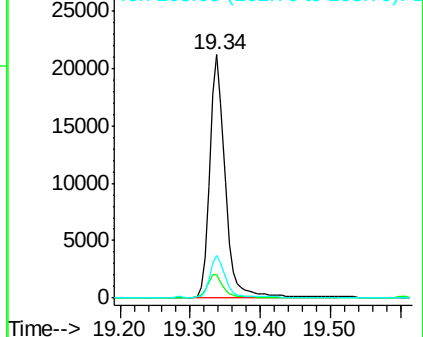
203 16.7 13.8 20.6

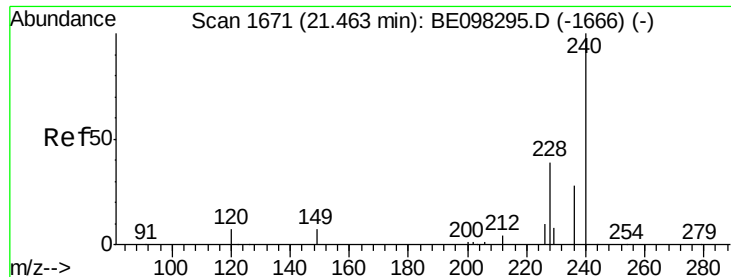


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE098296.D

Acq: 10 Dec 2018 13:06

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.8

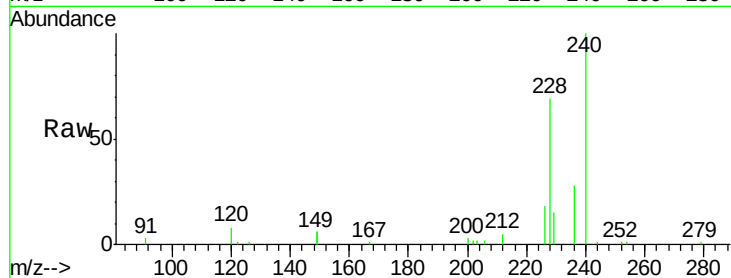
Tgt Ion:240 Resp: 12702

Ion Ratio Lower Upper

240 100

120 8.1 9.5 14.3#

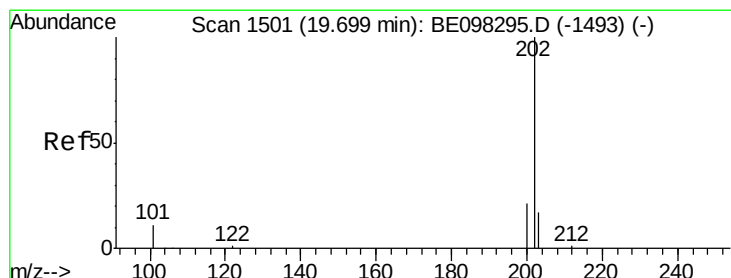
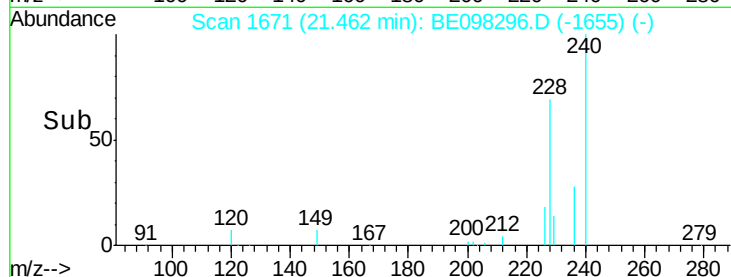
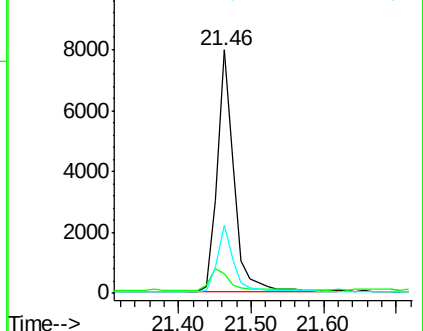
236 28.1 22.7 34.1



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: 0.928 ng

RT: 19.70 min Scan# 1501

Delta R.T. 0.00 min

Lab File: BE098296.D

Acq: 10 Dec 2018 13:06

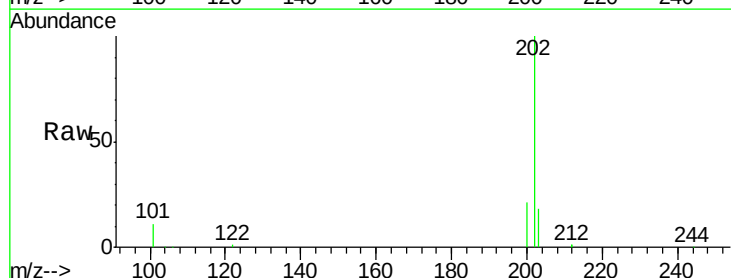
Tgt Ion:202 Resp: 32654

Ion Ratio Lower Upper

202 100

200 21.0 16.7 25.1

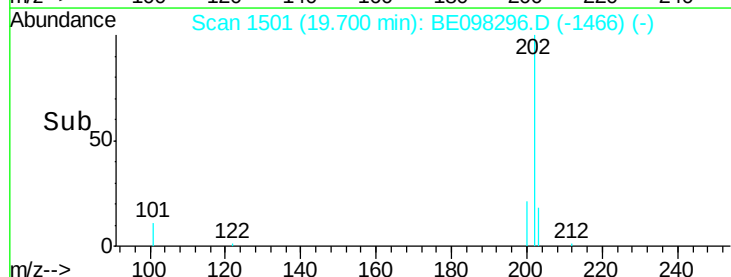
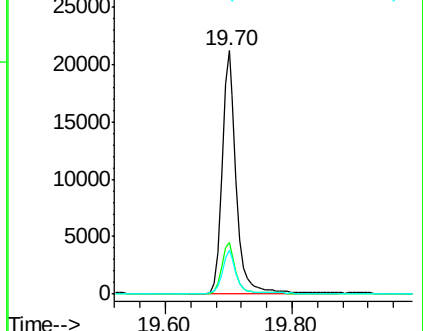
203 17.5 14.1 21.1



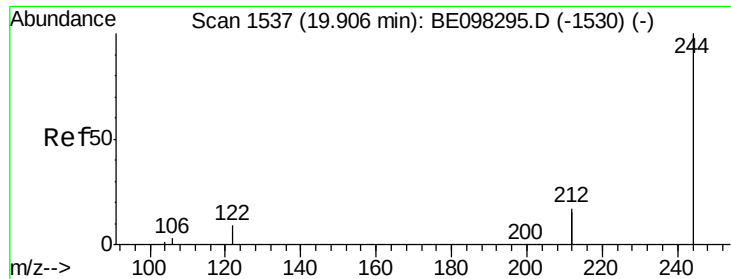
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E







#29

Terphenyl-d14

Concen: 0.863 ng

RT: 19.91 min Scan# 1537

Delta R.T. 0.00 min

Lab File: BE098296.D

Acq: 10 Dec 2018 13:06

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.8

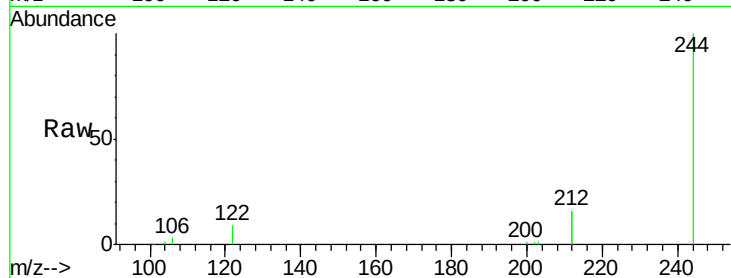
Tgt Ion:244 Resp: 24638

Ion Ratio Lower Upper

244 100

212 31.5 27.4 41.0

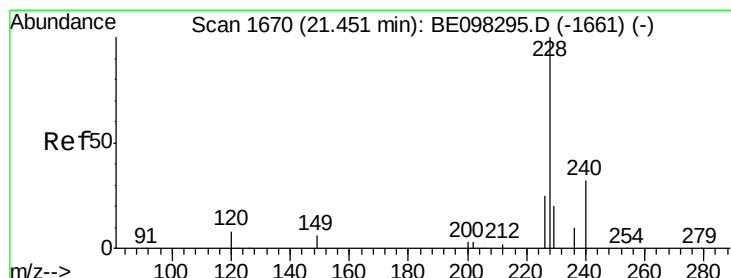
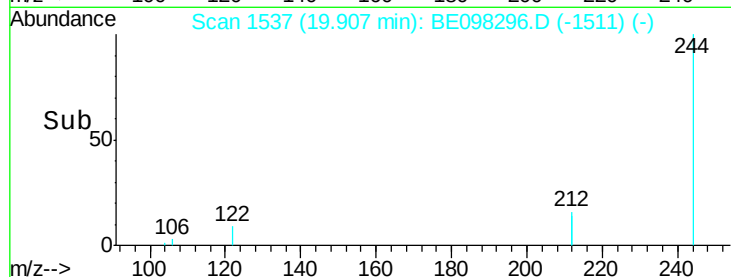
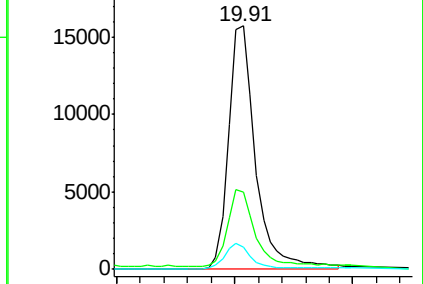
122 9.0 8.3 12.5



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: 0.758 ng

RT: 21.45 min Scan# 1670

Delta R.T. -0.00 min

Lab File: BE098296.D

Acq: 10 Dec 2018 13:06

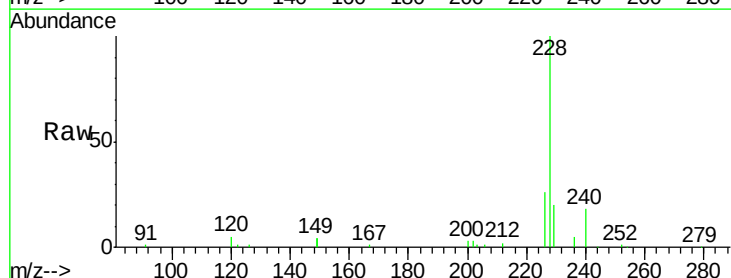
Tgt Ion:228 Resp: 28370

Ion Ratio Lower Upper

228 100

226 25.9 21.8 32.8

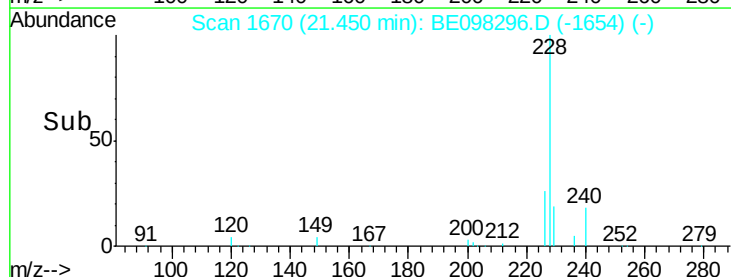
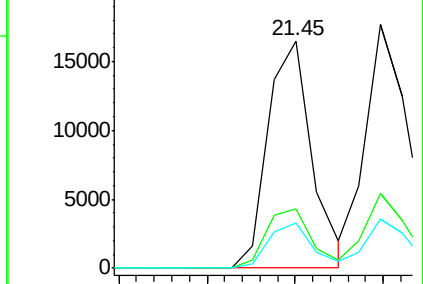
229 19.7 16.3 24.5

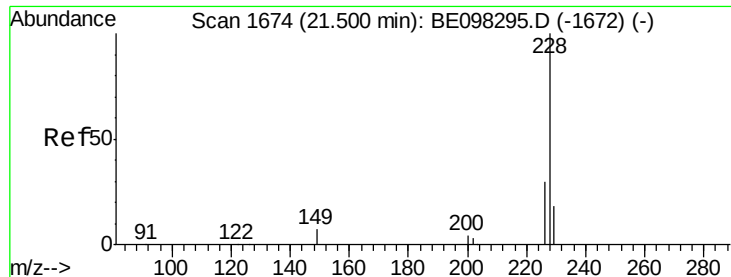


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.776 ng

RT: 21.50 min Scan# 1674

Delta R.T. -0.00 min

Lab File: BE098296.D

Acq: 10 Dec 2018 13:06

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.8

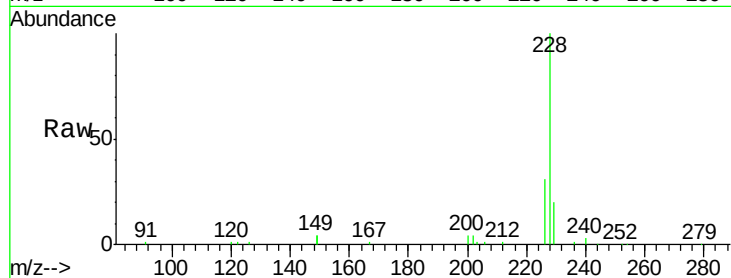
Tgt Ion:228 Resp: 29478

Ion Ratio Lower Upper

228 100

226 30.6 23.4 35.0

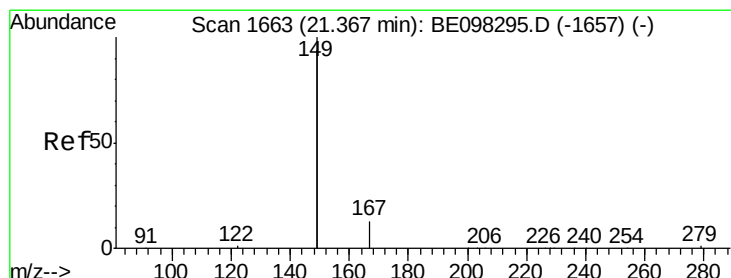
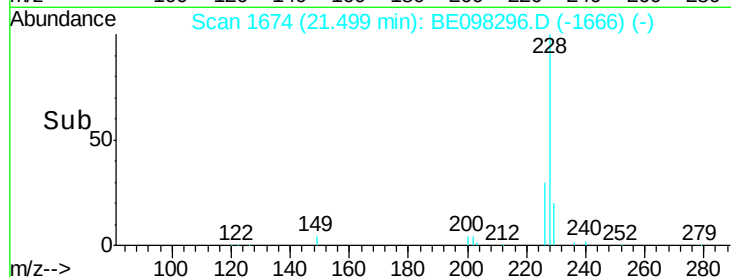
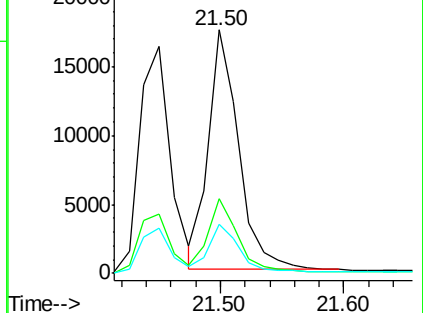
229 20.0 16.2 24.4



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: 0.615 ng

RT: 21.37 min Scan# 1663

Delta R.T. -0.00 min

Lab File: BE098296.D

Acq: 10 Dec 2018 13:06

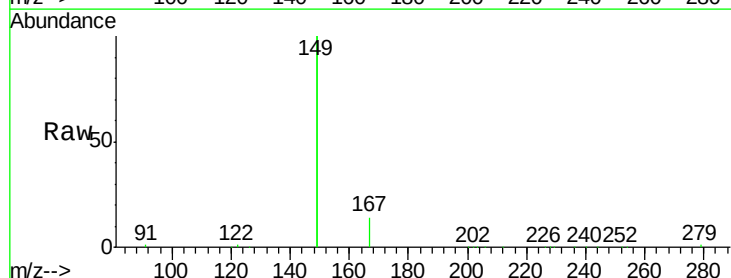
Tgt Ion:149 Resp: 55100

Ion Ratio Lower Upper

149 100

167 6.9 5.7 8.5

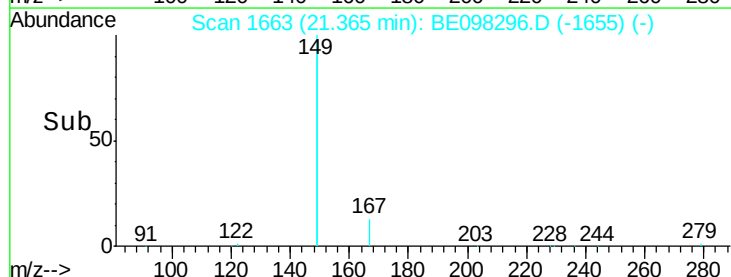
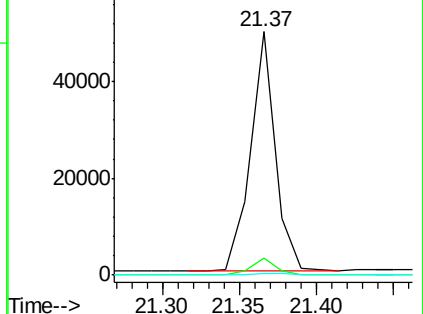
279 1.0 1.0 1.4

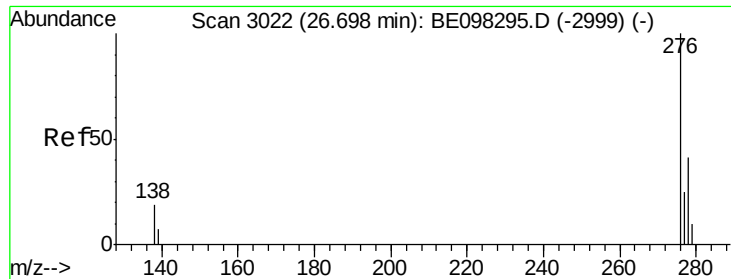


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

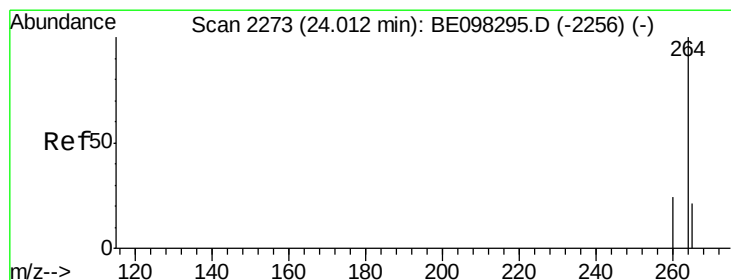
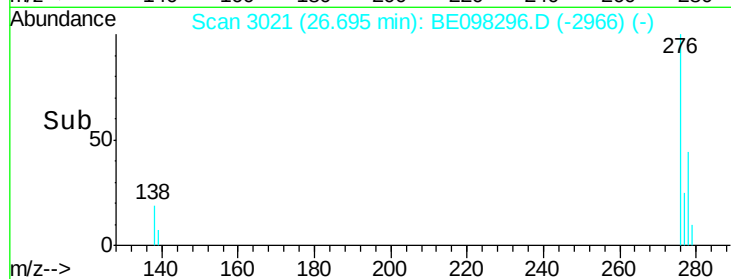
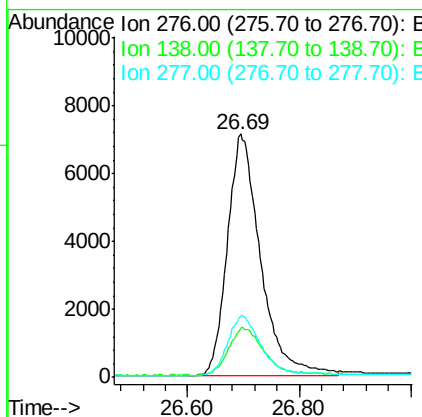
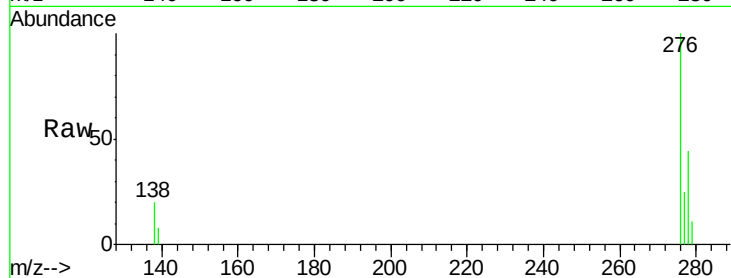




#33  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.764 ng  
 RT: 26.69 min Scan# 3021  
 Delta R.T. -0.00 min  
 Lab File: BE098296.D  
 Acq: 10 Dec 2018 13:06

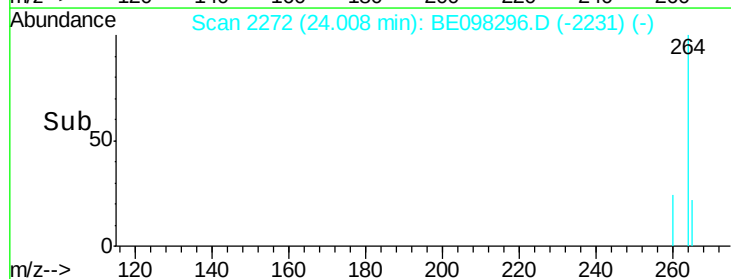
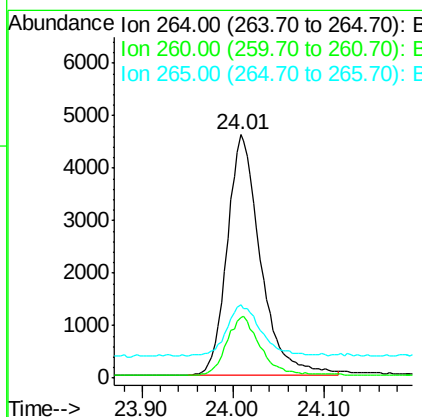
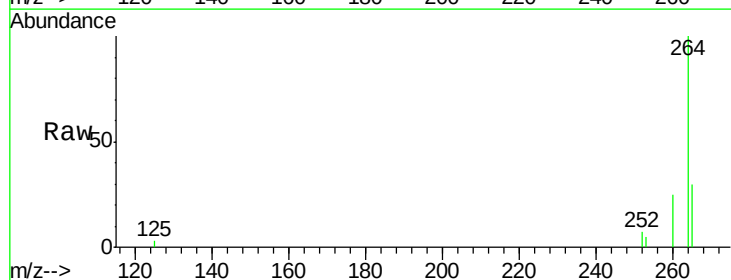
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC0.8

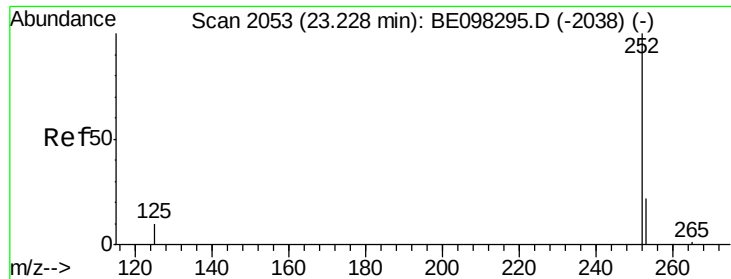
Tgt Ion:276 Resp: 29359  
 Ion Ratio Lower Upper  
 276 100  
 138 20.6 16.3 24.5  
 277 24.8 20.2 30.4



#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 24.01 min Scan# 2272  
 Delta R.T. -0.00 min  
 Lab File: BE098296.D  
 Acq: 10 Dec 2018 13:06

Tgt Ion:264 Resp: 11670  
 Ion Ratio Lower Upper  
 264 100  
 260 25.0 20.2 30.2  
 265 30.0 25.2 37.8





#35

Benzo(b)fluoranthene

Concen: 0.745 ng

RT: 23.22 min Scan# 2052

Delta R.T. -0.00 min

Lab File: BE098296.D

Acq: 10 Dec 2018 13:06

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.8

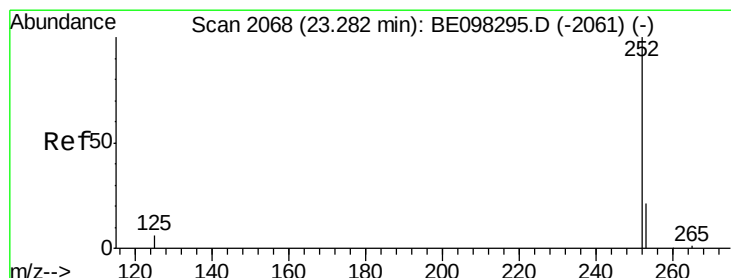
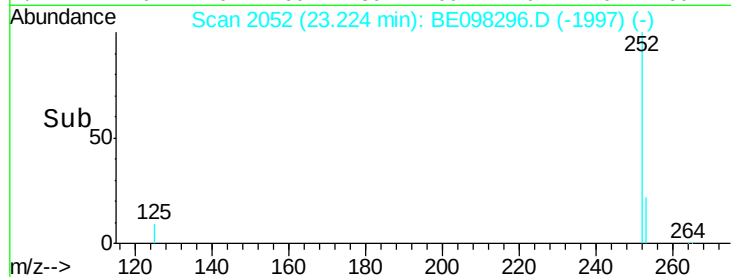
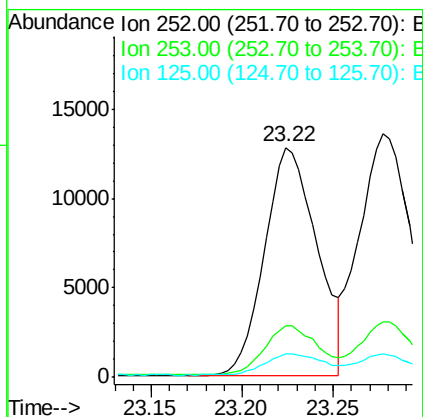
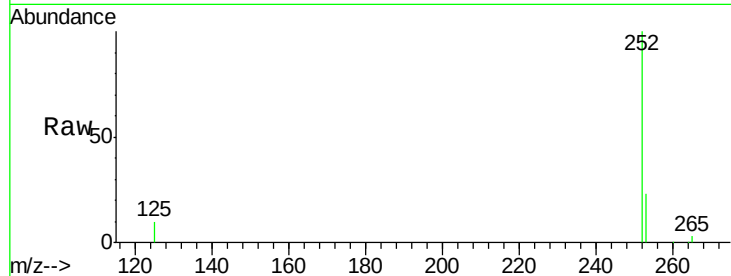
Tgt Ion:252 Resp: 25479

Ion Ratio Lower Upper

252 100

253 22.6 20.0 30.0

125 10.0 9.6 14.4



#36

Benzo(k)fluoranthene

Concen: 0.823 ng

RT: 23.28 min Scan# 2067

Delta R.T. -0.00 min

Lab File: BE098296.D

Acq: 10 Dec 2018 13:06

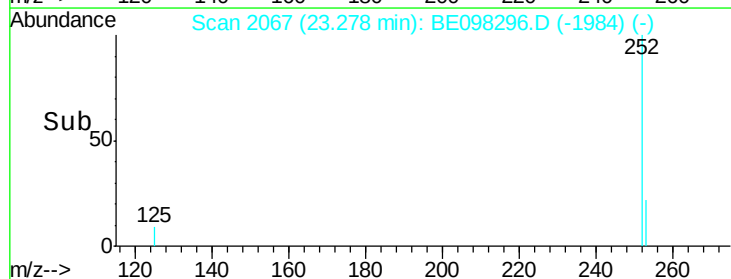
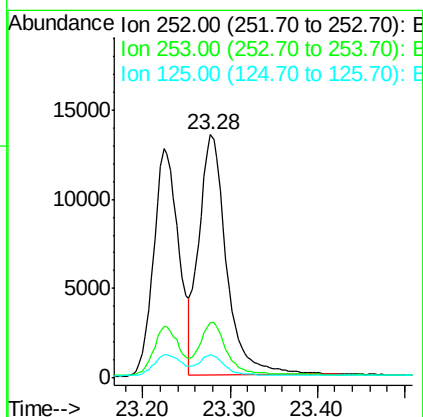
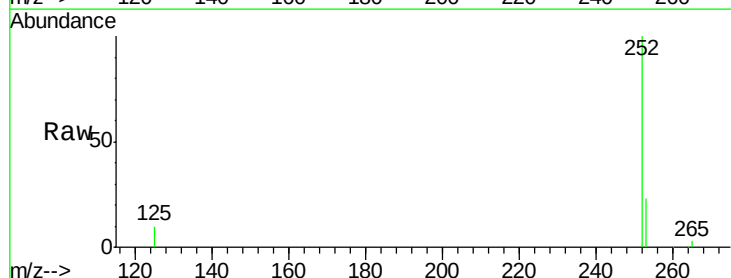
Tgt Ion:252 Resp: 29568

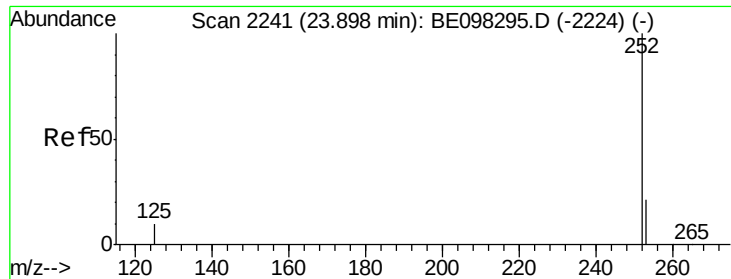
Ion Ratio Lower Upper

252 100

253 22.6 19.0 28.6

125 9.5 9.1 13.7





#37

Benzo(a)pyrene

Concen: 0.781 ng

RT: 23.89 min Scan# 2240

Delta R.T. -0.00 min

Lab File: BE098296.D

Acq: 10 Dec 2018 13:06

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.8

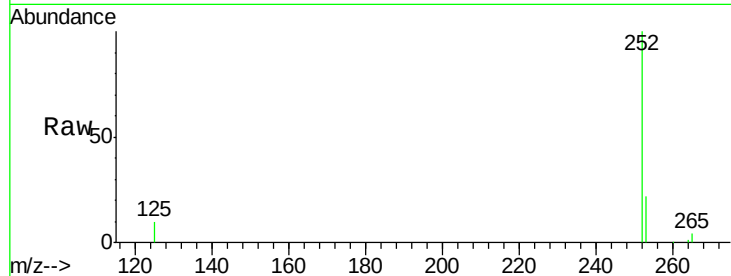
Tgt Ion:252 Resp: 25735

Ion Ratio Lower Upper

252 100

253 22.2 20.6 30.8

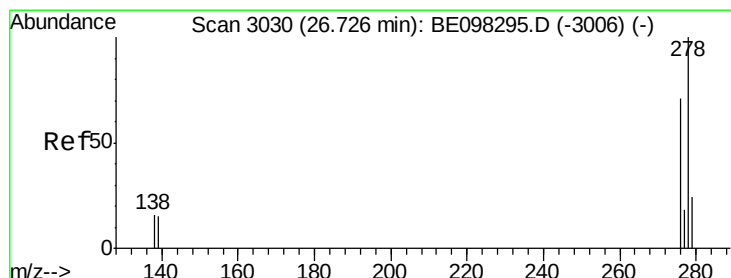
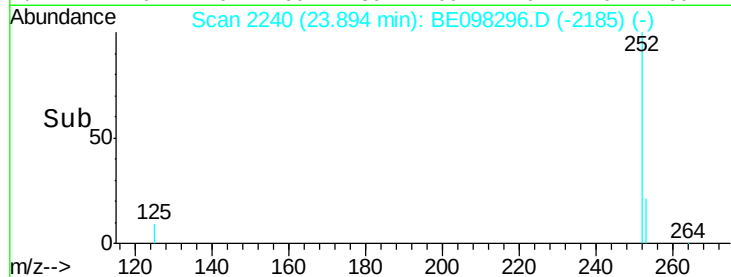
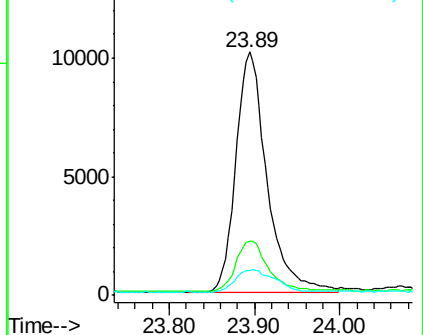
125 10.2 10.5 15.7#



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: 0.784 ng

RT: 26.72 min Scan# 3028

Delta R.T. -0.01 min

Lab File: BE098296.D

Acq: 10 Dec 2018 13:06

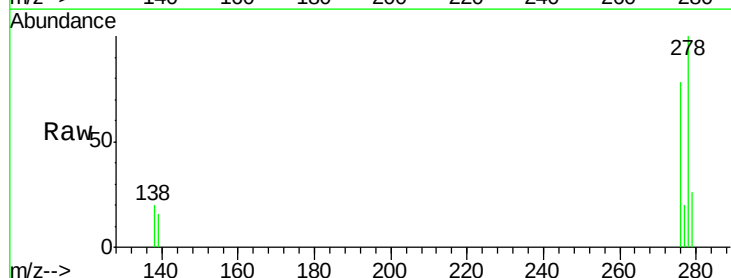
Tgt Ion:278 Resp: 24488

Ion Ratio Lower Upper

278 100

139 16.0 14.5 21.7

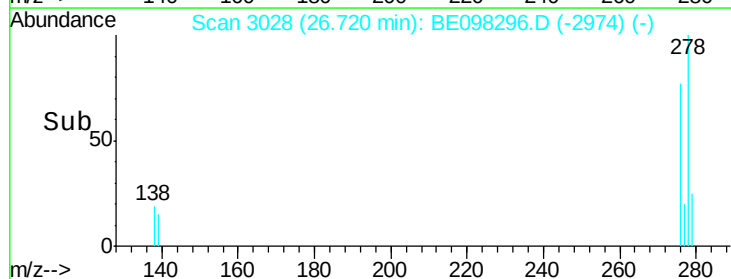
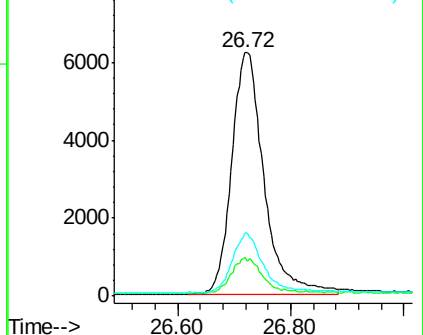
279 25.8 21.8 32.8

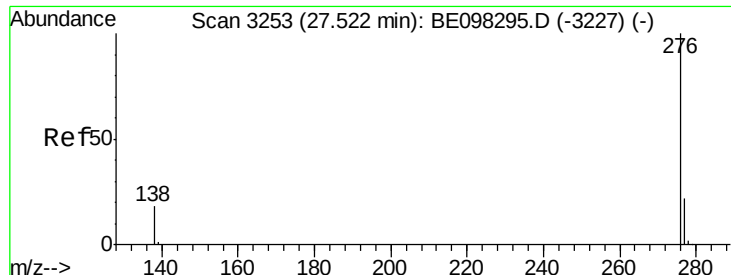


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.796 ng

RT: 27.52 min Scan# 3252

Delta R.T. -0.00 min

Lab File: BE098296.D

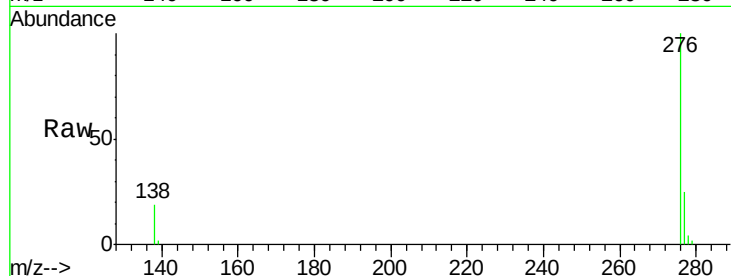
Acq: 10 Dec 2018 13:06

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.8



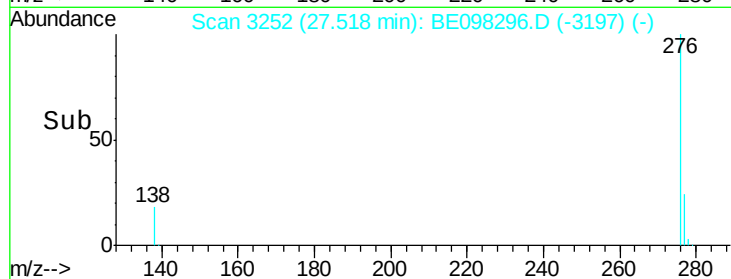
Tgt Ion: 276 Resp: 24915

Ion Ratio Lower Upper

276 100

277 24.5 20.8 31.2

138 19.0 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

