

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE111218\  
 Data File : BE098183.D  
 Acq On : 12 Nov 2018 9:53  
 Operator : SJ/JU  
 Sample : SSTDICC0.1  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC0.1

Quant Time: Nov 12 11:41:27 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE111218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Nov 12 11:35:26 2018  
 Response via : Initial Calibration

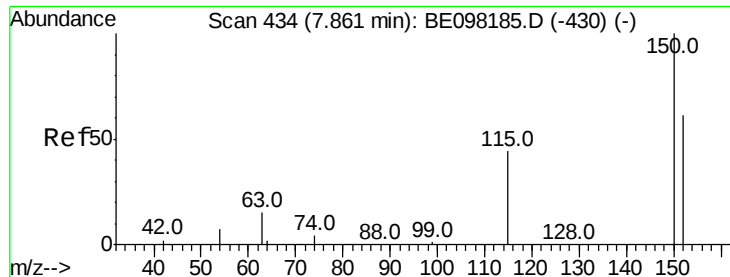
| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.86  | 152  | 1072     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.67 | 136  | 5119     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.53 | 164  | 3398     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.28 | 188  | 8347     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.46 | 240  | 9475     | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 24.01 | 264  | 9287     | 0.40 | ng    | 0.00     |

|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| System Monitoring Compounds |       |     |       |      |    |      |
| 4) 2-Fluorophenol           | 5.45  | 112 | 324   | 0.10 | ng | 0.00 |
| 5) Phenol-d6                | 7.04  | 99  | 523   | 0.10 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 9.03  | 82  | 489   | 0.09 | ng | 0.01 |
| 11) 2-Methylnaphthalene-d10 | 12.27 | 152 | 928   | 0.10 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 16.03 | 330 | 165   | 0.10 | ng | 0.01 |
| 15) 2-Fluorobiphenyl        | 13.16 | 172 | 1675  | 0.12 | ng | 0.01 |
| 25) Fluoranthene-d10        | 19.31 | 212 | 10610 | 0.10 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.91 | 244 | 2404  | 0.11 | ng | 0.00 |

|                                |       |     |      |       |        |      |
|--------------------------------|-------|-----|------|-------|--------|------|
| Target Compounds               |       |     |      |       | Qvalue |      |
| 2) 1,4-Dioxane                 | 3.38  | 88  | 233  | 0.146 | ng     | # 72 |
| 3) n-Nitrosodimethylamine      | 3.69  | 42  | 188  | 0.088 | ng     | # 91 |
| 6) bis(2-Chloroethyl)ether     | 7.29  | 93  | 430  | 0.112 | ng     | # 85 |
| 9) Naphthalene                 | 10.72 | 128 | 5503 | 0.108 | ng     | # 98 |
| 10) Hexachlorobutadiene        | 11.00 | 225 | 345  | 0.103 | ng     | # 98 |
| 12) 2-Methylnaphthalene        | 12.34 | 142 | 906  | 0.099 | ng     | # 98 |
| 16) Acenaphthylene             | 14.25 | 152 | 1528 | 0.099 | ng     | # 97 |
| 17) Acenaphthene               | 14.60 | 154 | 1019 | 0.109 | ng     | # 97 |
| 18) Fluorene                   | 15.58 | 166 | 1234 | 0.100 | ng     | # 99 |
| 20) 4-Bromophenyl-phenylether  | 16.46 | 248 | 494  | 0.097 | ng     | # 91 |
| 21) Hexachlorobenzene          | 16.59 | 284 | 543  | 0.102 | ng     | # 94 |
| 22) Pentachlorophenol          | 16.97 | 266 | 82   | 0.069 | ng     | # 90 |
| 23) Phenanthrene               | 17.32 | 178 | 2138 | 0.103 | ng     | # 97 |
| 24) Anthracene                 | 17.41 | 178 | 1897 | 0.096 | ng     | # 98 |
| 26) Fluoranthene               | 19.34 | 202 | 2585 | 0.100 | ng     | # 98 |
| 28) Pyrene                     | 19.70 | 202 | 2774 | 0.107 | ng     | # 99 |
| 30) Benzo(a)anthracene         | 21.45 | 228 | 2832 | 0.102 | ng     | # 95 |
| 31) Chrysene                   | 21.50 | 228 | 2954 | 0.108 | ng     | # 98 |
| 32) Bis(2-ethylhexyl)phthalate | 21.37 | 149 | 6160 | 0.063 | ng     | # 99 |
| 33) Indeno(1,2,3-cd)pyrene     | 26.70 | 276 | 2464 | 0.086 | ng     | # 78 |
| 35) Benzo(b)fluoranthene       | 23.23 | 252 | 2715 | 0.104 | ng     | # 85 |
| 36) Benzo(k)fluoranthene       | 23.28 | 252 | 2860 | 0.106 | ng     | # 89 |
| 37) Benzo(a)pyrene             | 23.89 | 252 | 2593 | 0.101 | ng     | # 82 |
| 38) Dibenzo(a,h)anthracene     | 26.72 | 278 | 1935 | 0.081 | ng     | # 84 |
| 39) Benzo(g,h,i)perylene       | 27.53 | 276 | 2226 | 0.094 | ng     | # 84 |

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





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.86 min Scan# 434

Delta R.T. 0.00 min

Lab File: BE098183.D

Acq: 12 Nov 2018 9:53

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.1

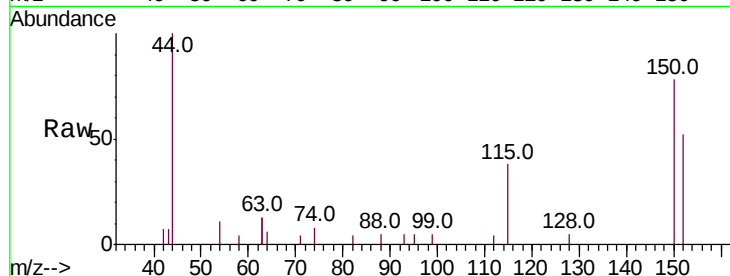
Tot Ion:152 Resp: 1072

Ion Ratio Lower Upper

152 100

150 151.7 127.5 191.3

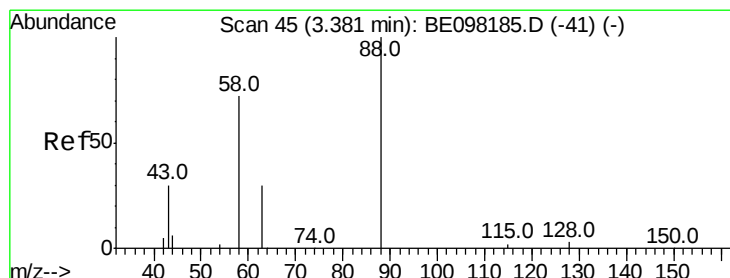
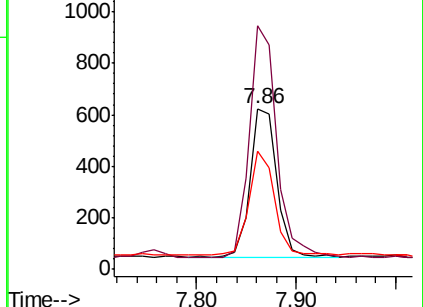
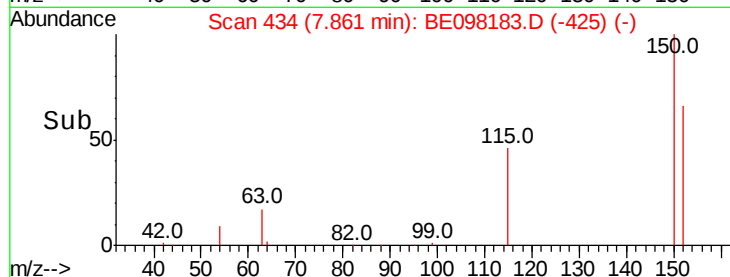
115 73.7 60.3 90.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.146 ng

RT: 3.38 min Scan# 45

Delta R.T. 0.00 min

Lab File: BE098183.D

Acq: 12 Nov 2018 9:53

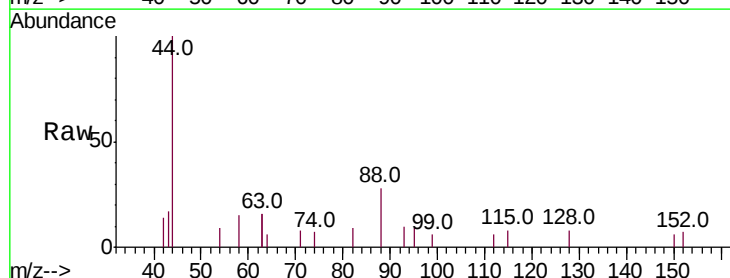
Tgt Ion: 88 Resp: 233

Ion Ratio Lower Upper

88 100

58 69.1 79.0 118.4#

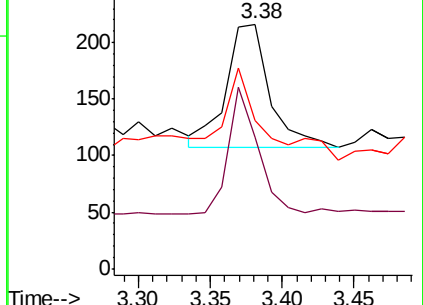
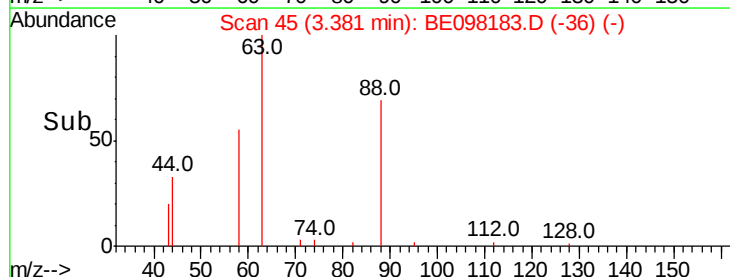
43 63.5 38.1 57.1#

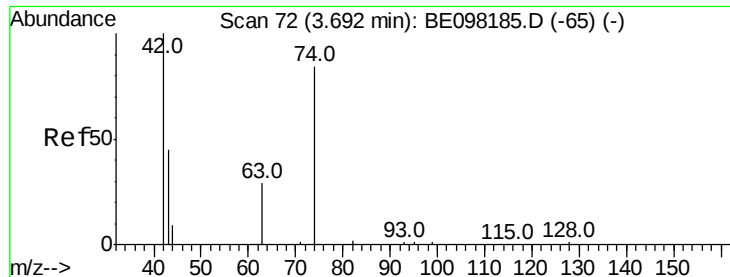


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.088 ng

RT: 3.69 min Scan# 72

Delta R.T. 0.00 min

Lab File: BE098183.D

Acq: 12 Nov 2018 9:53

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.1

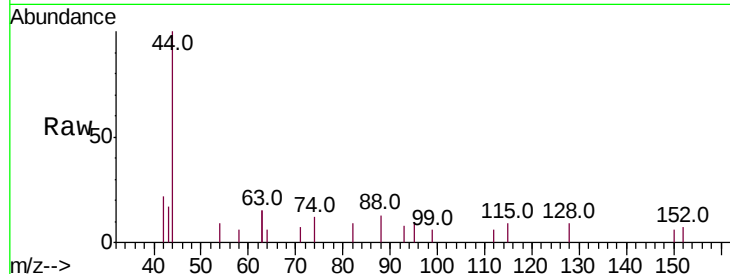
Tot Ion: 42 Resp: 188

Ion Ratio Lower Upper

42 100

74 79.3 61.7 92.5

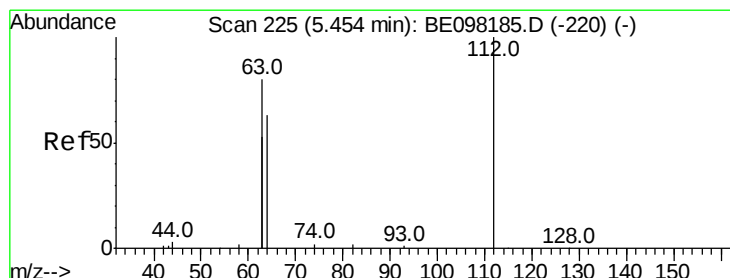
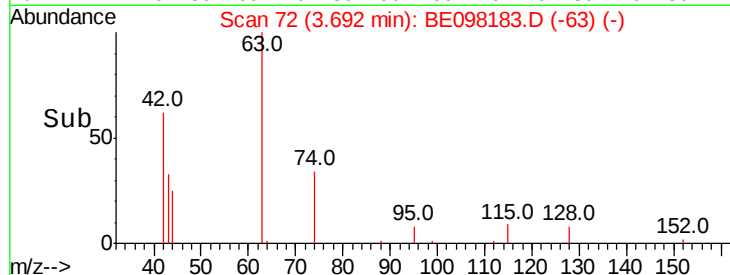
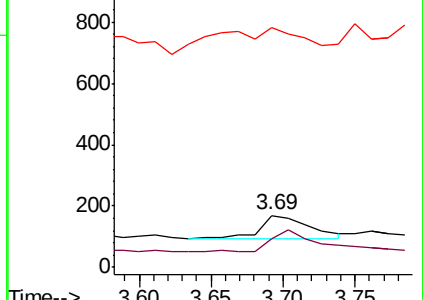
44 0.0 14.0 21.0#



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: 0.102 ng

RT: 5.45 min Scan# 225

Delta R.T. 0.00 min

Lab File: BE098183.D

Acq: 12 Nov 2018 9:53

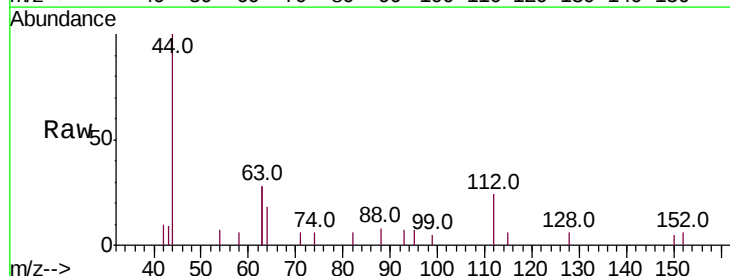
Tgt Ion: 112 Resp: 324

Ion Ratio Lower Upper

112 100

64 79.6 61.7 92.5

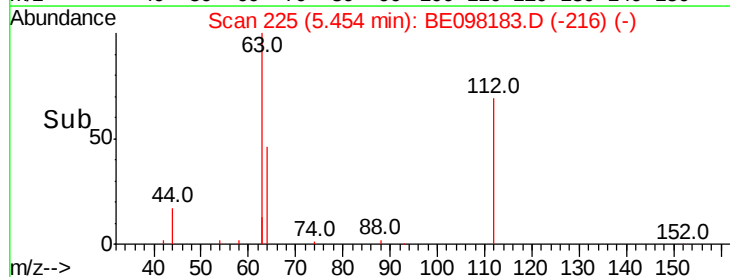
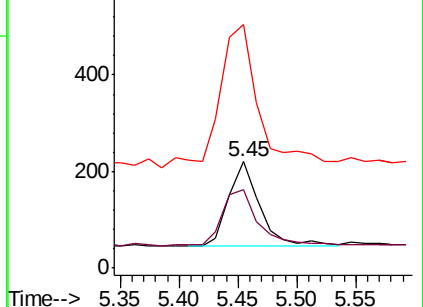
63 215.7 136.2 204.2#

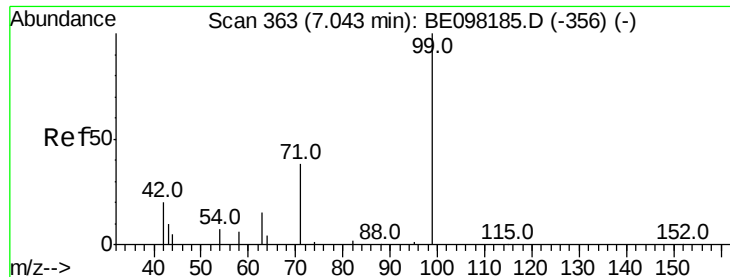


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.100 ng

RT: 7.04 min Scan# 363

Delta R.T. 0.00 min

Lab File: BE098183.D

Acq: 12 Nov 2018 9:53

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.1

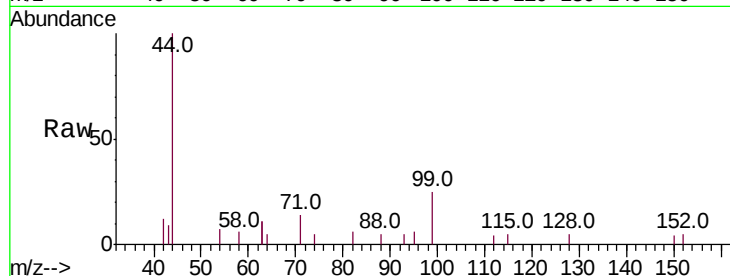
Tot Ion: 99 Resp: 523

Ion Ratio Lower Upper

99 100

42 32.1 27.1 40.7

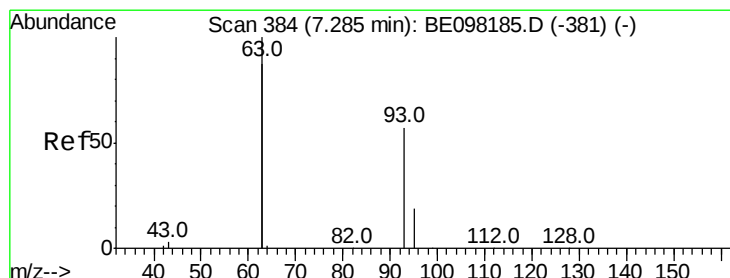
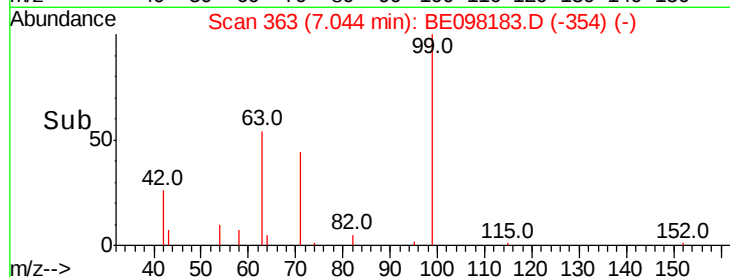
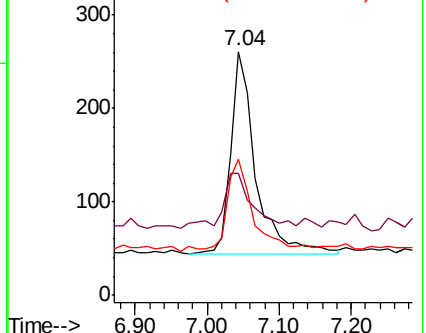
71 48.6 37.0 55.6



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.112 ng

RT: 7.29 min Scan# 384

Delta R.T. 0.00 min

Lab File: BE098183.D

Acq: 12 Nov 2018 9:53

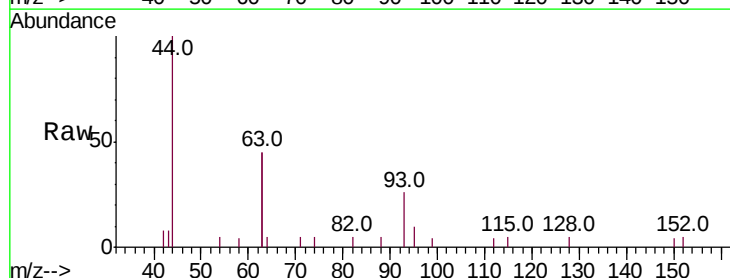
Tgt Ion: 93 Resp: 430

Ion Ratio Lower Upper

93 100

63 307.2 272.6 409.0

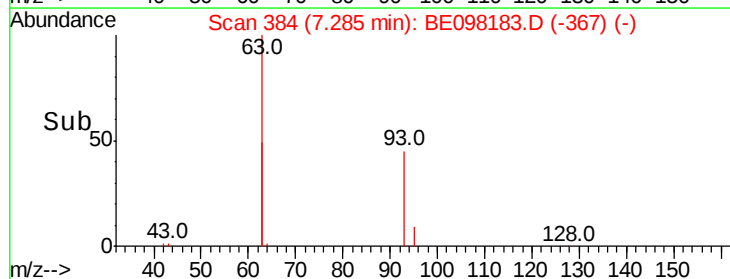
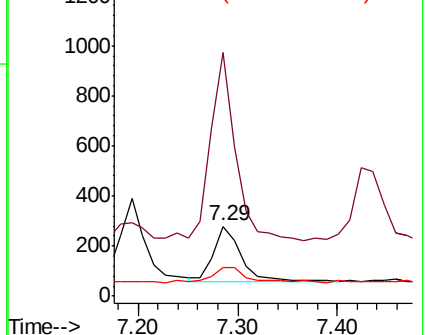
95 38.8 27.1 40.7

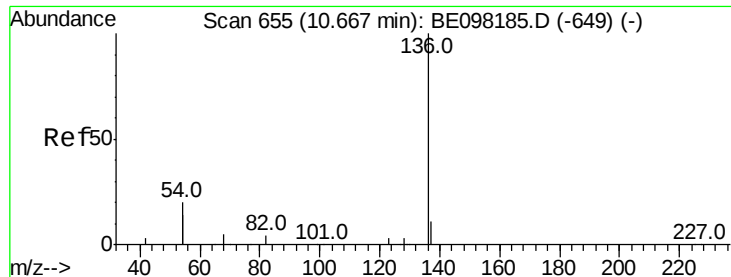


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE098183.D

Acq: 12 Nov 2018 9:53

Instrument :

BNA\_E

ClientSampleId :

SSTDICC0.1

Tot Ion:136 Resp: 5119

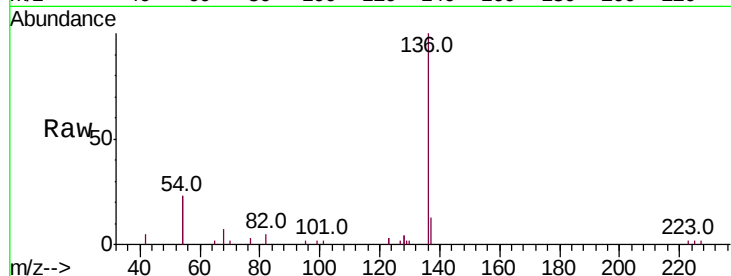
Ion Ratio Lower Upper

136 100

137 13.0 9.5 14.3

54 46.1 31.3 46.9

68 7.2 4.8 7.2

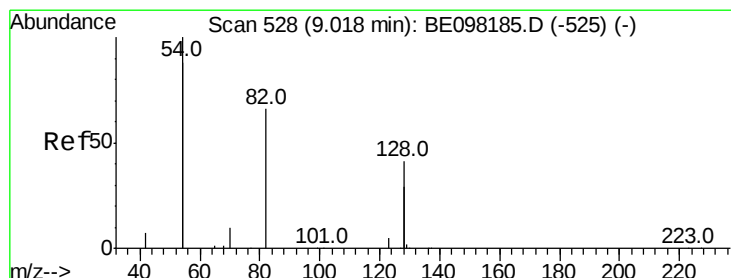
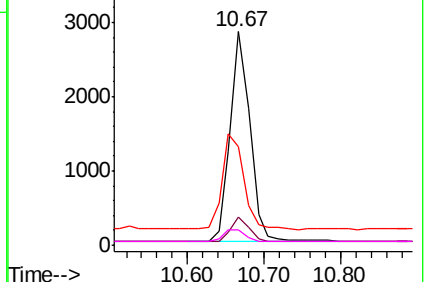
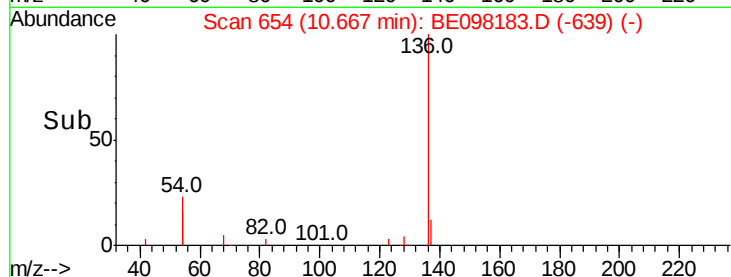


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.089 ng

RT: 9.03 min Scan# 528

Delta R.T. 0.01 min

Lab File: BE098183.D

Acq: 12 Nov 2018 9:53

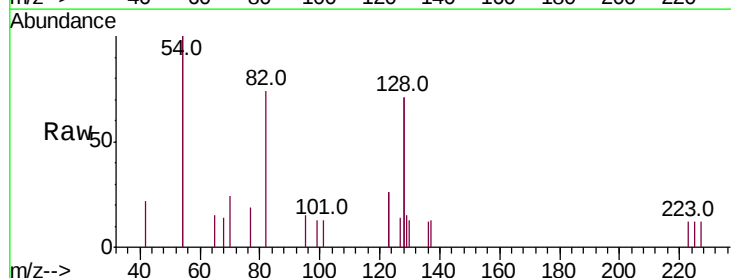
Tgt Ion: 82 Resp: 489

Ion Ratio Lower Upper

82 100

128 192.1 96.1 144.1#

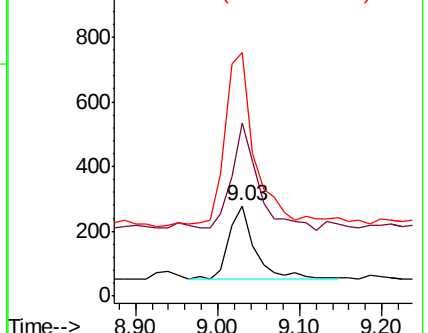
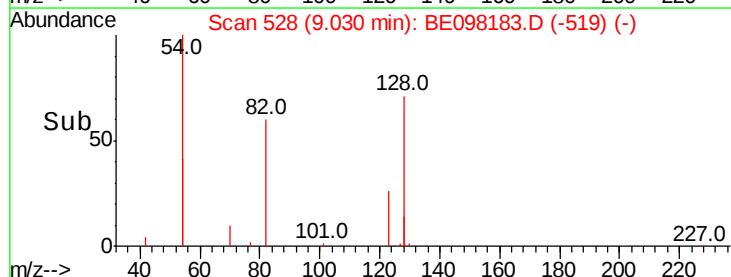
54 269.5 232.0 348.0

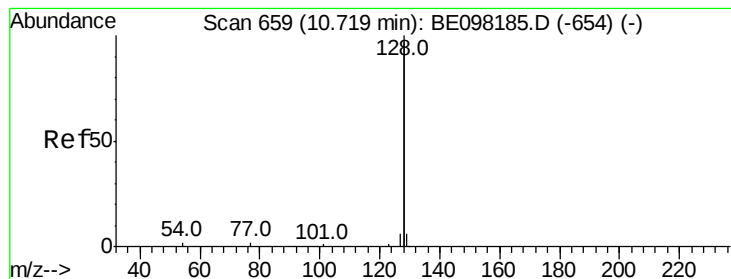


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.108 ng

RT: 10.72 min Scan# 658

Delta R.T. -0.00 min

Lab File: BE098183.D

Acq: 12 Nov 2018 9:53

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.1

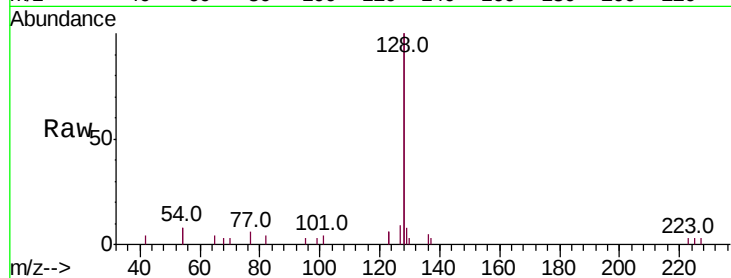
Tot Ion:128 Resp: 5503

Ion Ratio Lower Upper

128 100

129 3.8 2.6 4.0

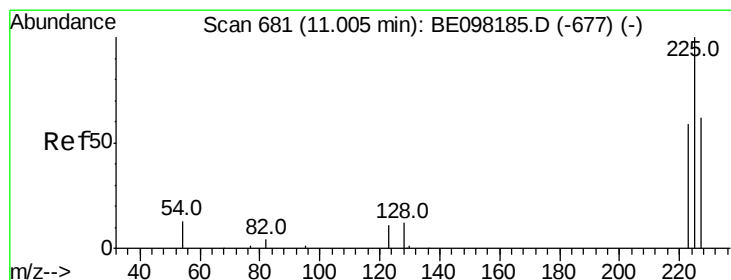
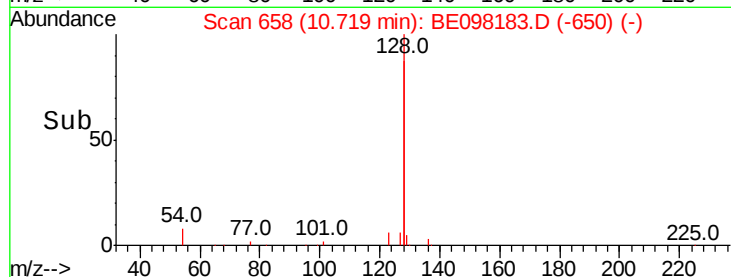
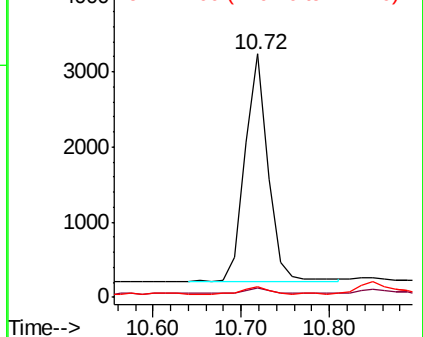
127 4.4 2.8 4.2#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.103 ng

RT: 11.00 min Scan# 680

Delta R.T. -0.00 min

Lab File: BE098183.D

Acq: 12 Nov 2018 9:53

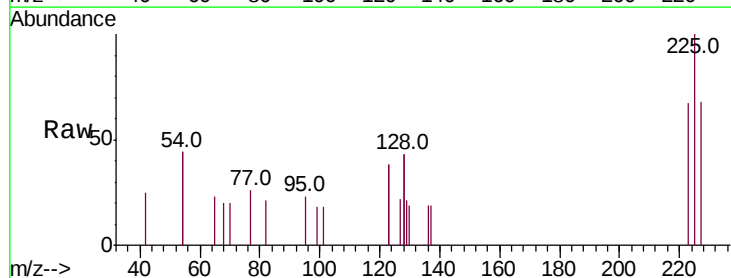
Tgt Ion:225 Resp: 345

Ion Ratio Lower Upper

225 100

223 61.4 50.5 75.7

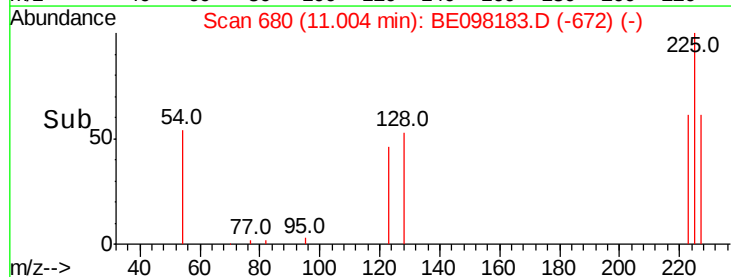
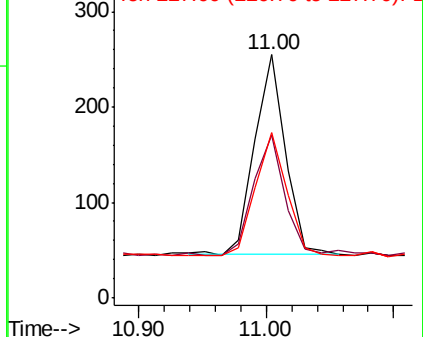
227 63.8 50.3 75.5

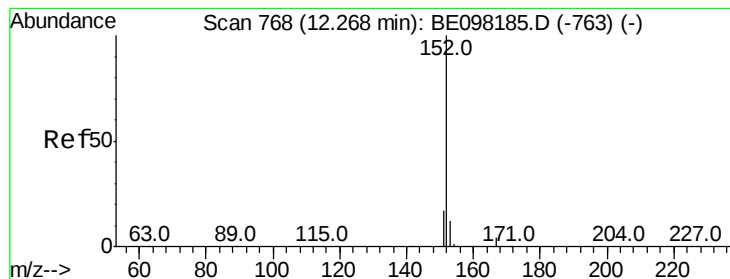


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.103 ng

RT: 12.27 min Scan# 767

Delta R.T. -0.00 min

Lab File: BE098183.D

Acq: 12 Nov 2018 9:53

Instrument :

BNA\_E

ClientSampleId :

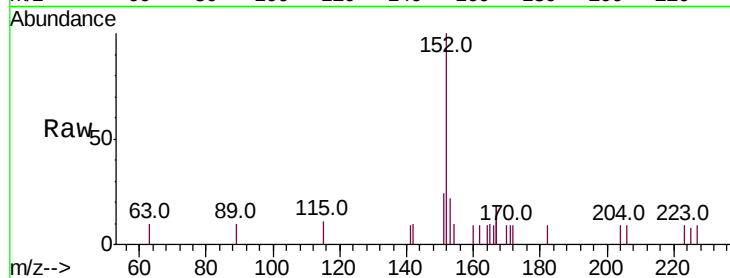
SSTDIC0.1

Tot Ion:152 Resp: 928

Ion Ratio Lower Upper

152 100

151 23.2 15.4 23.2#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.27

500

400

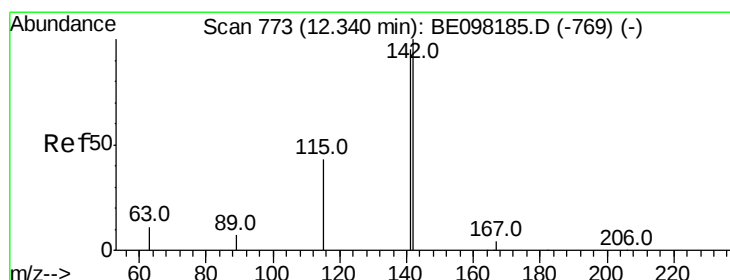
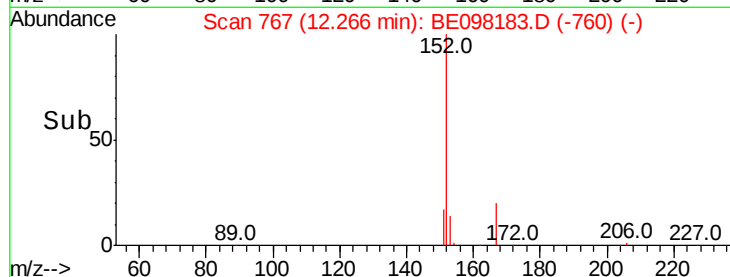
300

200

100

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.099 ng

RT: 12.34 min Scan# 772

Delta R.T. -0.00 min

Lab File: BE098183.D

Acq: 12 Nov 2018 9:53

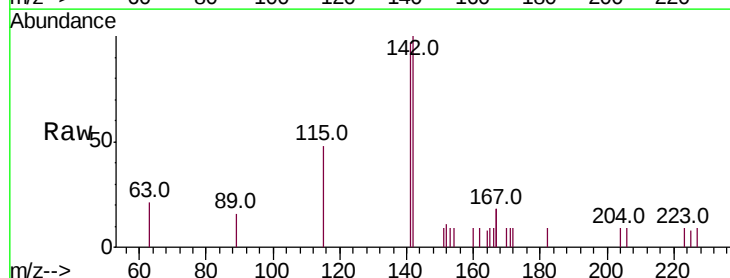
Tgt Ion:142 Resp: 906

Ion Ratio Lower Upper

142 100

141 96.6 76.3 114.5

115 47.9 35.8 53.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

12.34

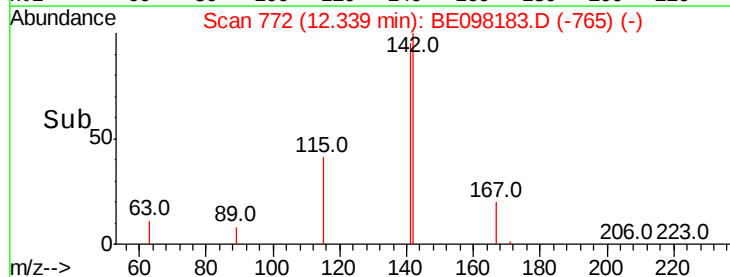
600

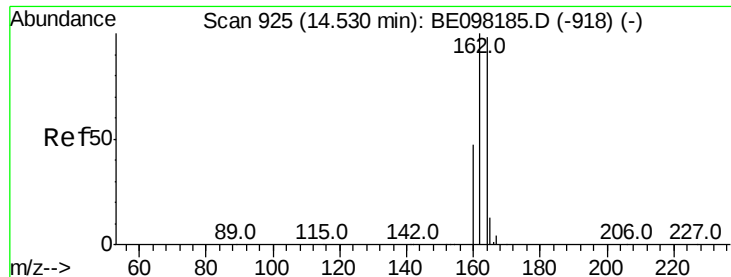
400

200

0

Time-->

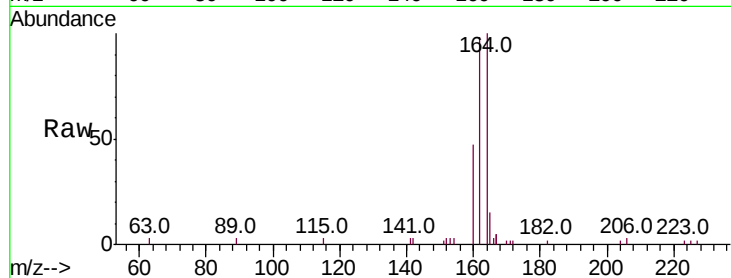




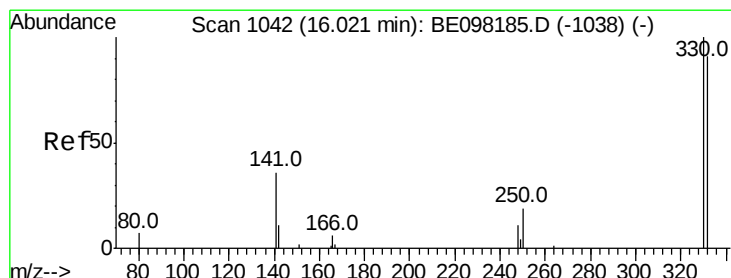
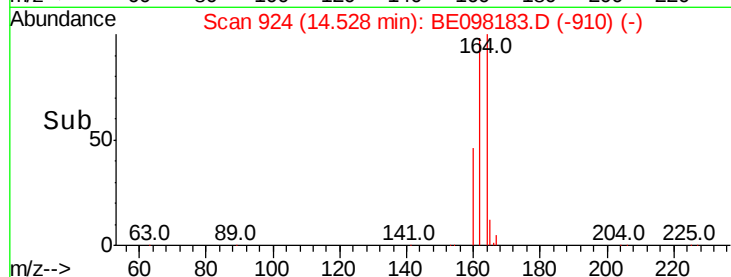
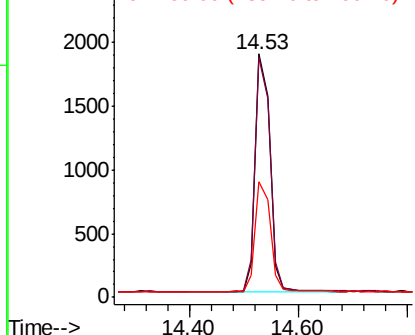
#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.53 min Scan# 924  
Delta R.T. -0.00 min  
Lab File: BE098183.D  
Acq: 12 Nov 2018 9:53

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC0.1

Tot Ion:164 Resp: 3398  
Ion Ratio Lower Upper  
164 100  
162 98.3 81.8 122.6  
160 47.5 39.4 59.0

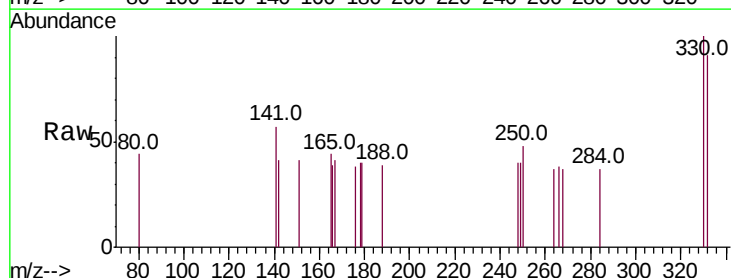


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

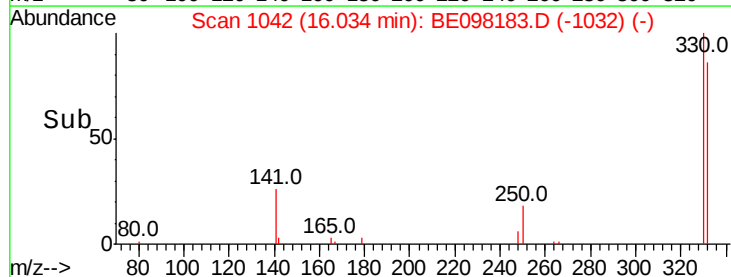
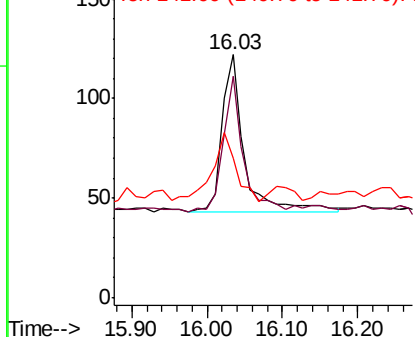


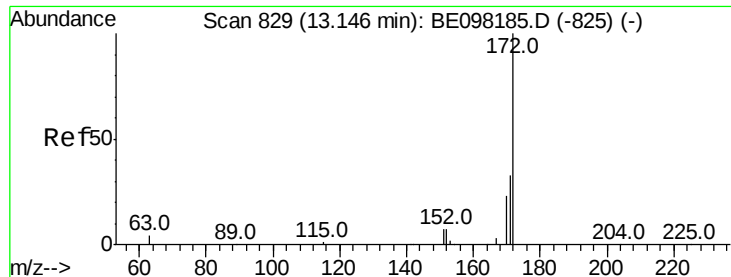
#14  
2,4,6-Tribromophenol  
Concen: 0.103 ng  
RT: 16.03 min Scan# 1042  
Delta R.T. 0.01 min  
Lab File: BE098183.D  
Acq: 12 Nov 2018 9:53

Tgt Ion:330 Resp: 165  
Ion Ratio Lower Upper  
330 100  
332 77.0 77.7 116.5#  
141 47.3 33.6 50.4



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

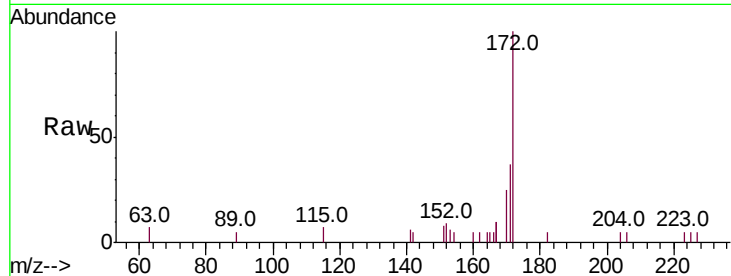




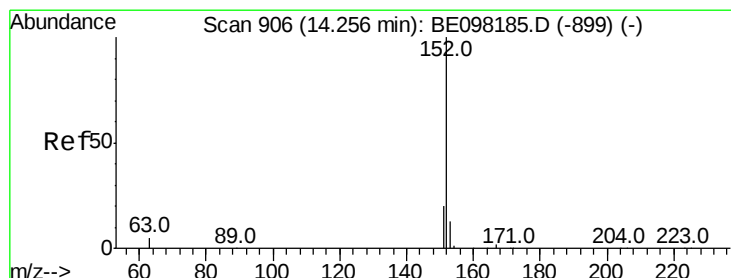
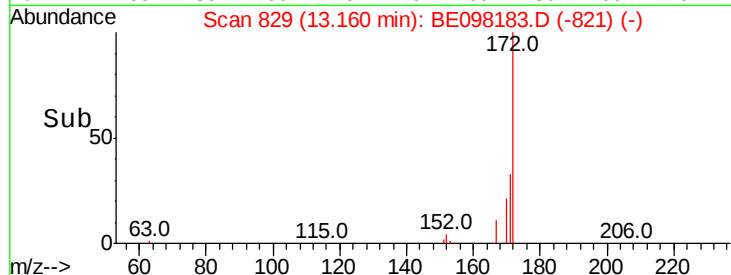
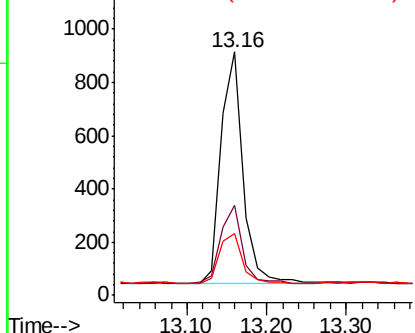
#15  
2-Fluorobiphenyl  
Concen: 0.120 ng  
RT: 13.16 min Scan# 829  
Delta R.T. 0.01 min  
Lab File: BE098183.D  
Acq: 12 Nov 2018 9:53

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC0.1

Tot Ion:172 Resp: 1675  
Ion Ratio Lower Upper  
172 100  
171 36.8 27.3 40.9  
170 25.4 19.4 29.0

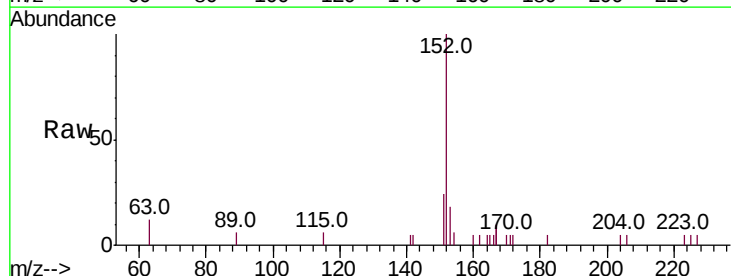


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

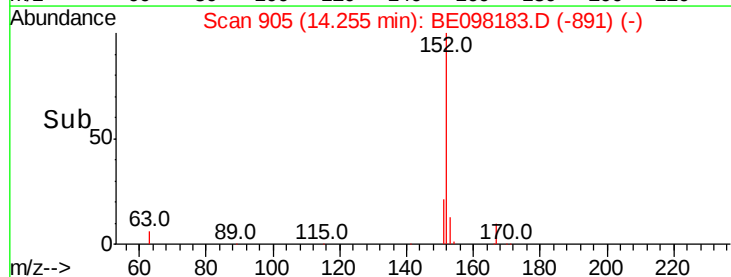
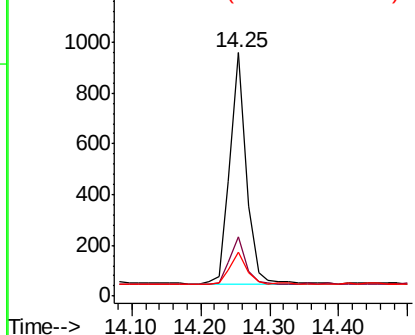


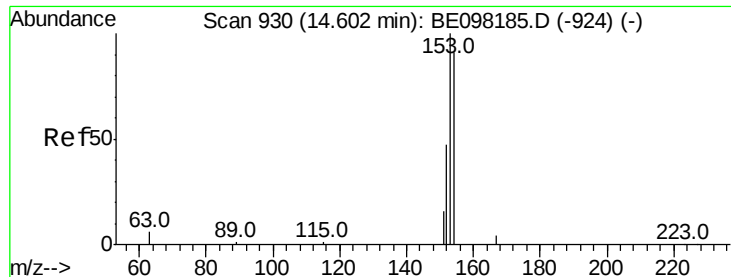
#16  
Acenaphthylene  
Concen: 0.099 ng  
RT: 14.25 min Scan# 905  
Delta R.T. -0.00 min  
Lab File: BE098183.D  
Acq: 12 Nov 2018 9:53

Tgt Ion:152 Resp: 1528  
Ion Ratio Lower Upper  
152 100  
151 19.8 16.4 24.6  
153 15.0 10.6 15.8



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

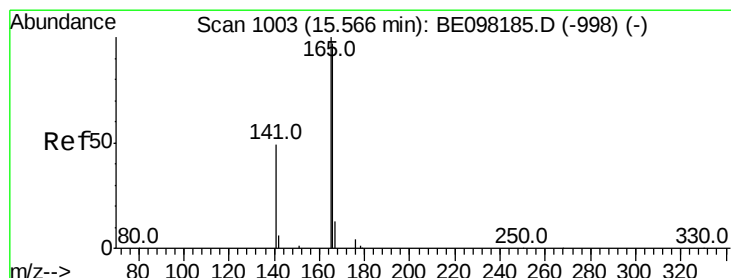
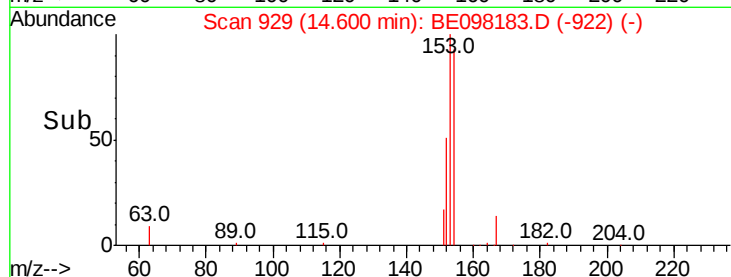
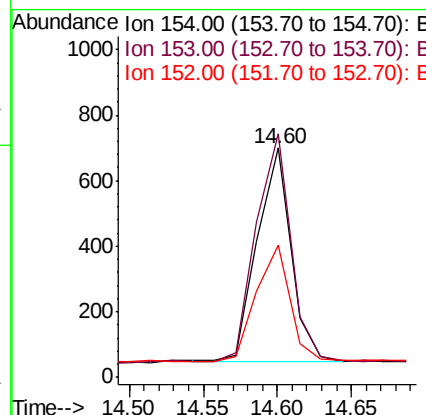
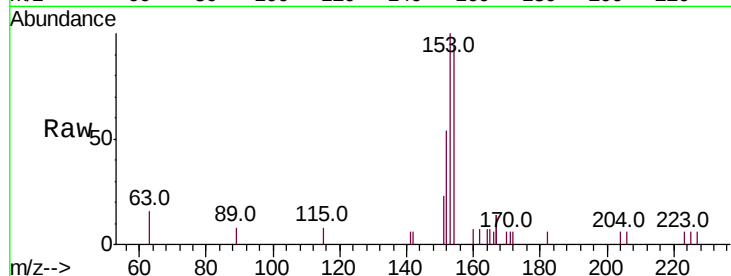




#17  
Acenaphthene  
Concen: 0.109 ng  
RT: 14.60 min Scan# 929  
Delta R.T. -0.00 min  
Lab File: BE098183.D  
Acq: 12 Nov 2018 9:53

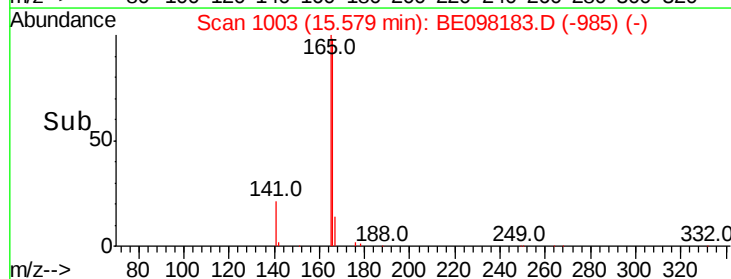
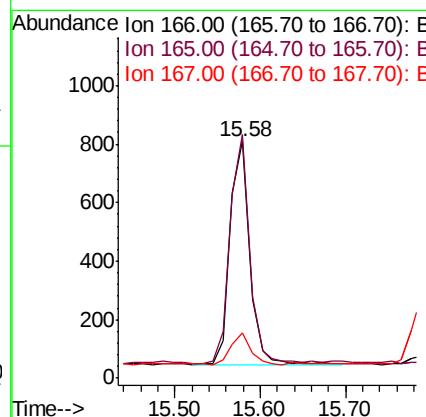
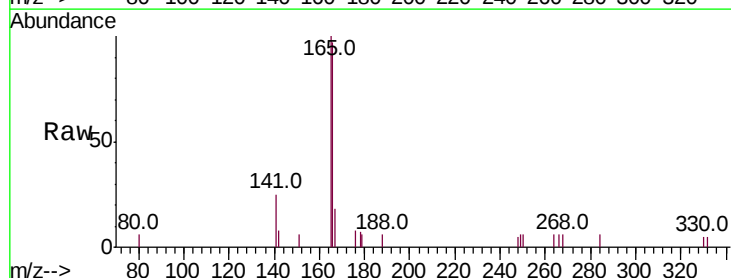
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC0.1

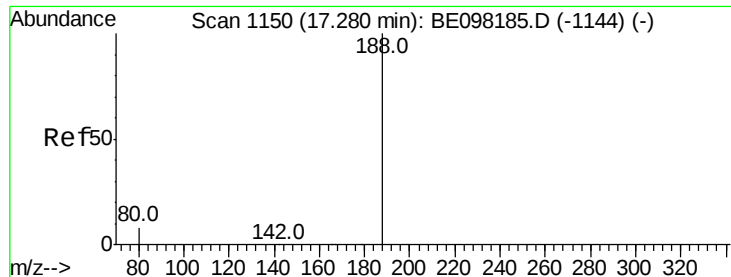
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 110.9 | 92.1  | 138.1 |
| 152     | 56.1  | 46.2  | 69.2  |



#18  
Fluorene  
Concen: 0.100 ng  
RT: 15.58 min Scan# 1003  
Delta R.T. 0.01 min  
Lab File: BE098183.D  
Acq: 12 Nov 2018 9:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 100.7 | 80.1  | 120.1 |
| 167     | 14.2  | 10.8  | 16.2  |





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.28 min Scan# 1149

Delta R.T. 0.00 min

Lab File: BE098183.D

Acq: 12 Nov 2018 9:53

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.1

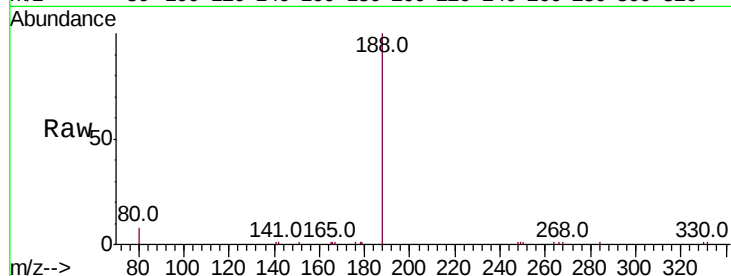
Tot Ion:188 Resp: 8347

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

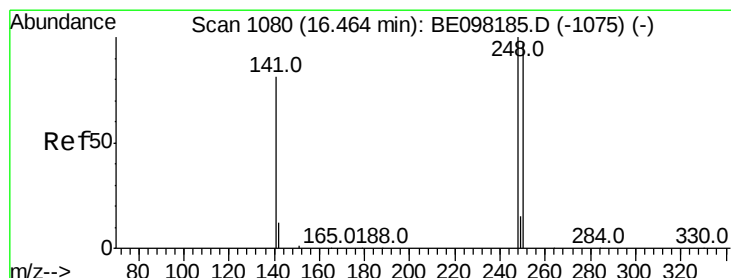
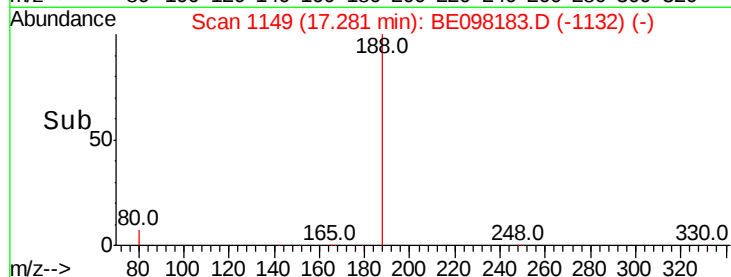
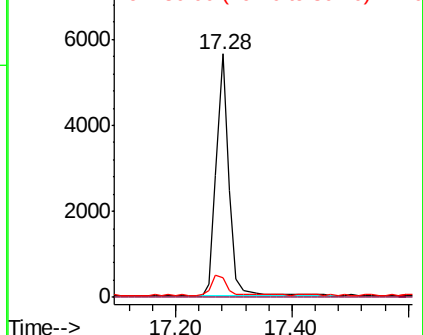
80 8.3 6.7 10.1



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: 0.097 ng

RT: 16.46 min Scan# 1079

Delta R.T. 0.00 min

Lab File: BE098183.D

Acq: 12 Nov 2018 9:53

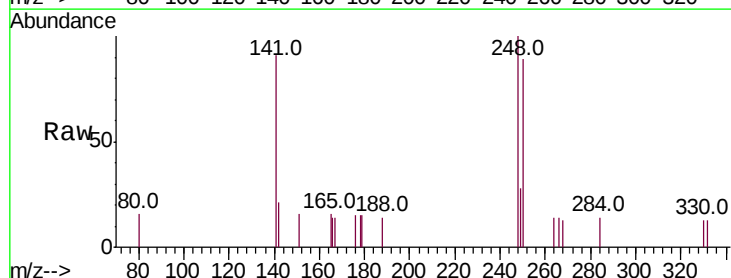
Tgt Ion:248 Resp: 494

Ion Ratio Lower Upper

248 100

250 89.3 77.6 116.4

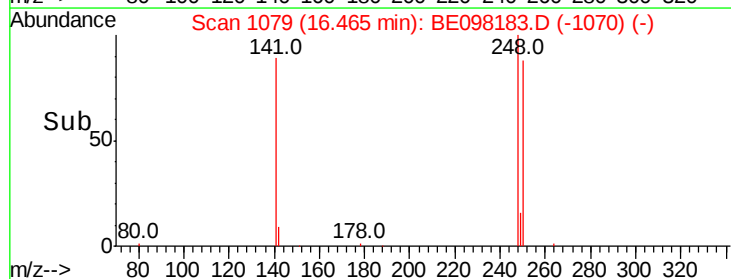
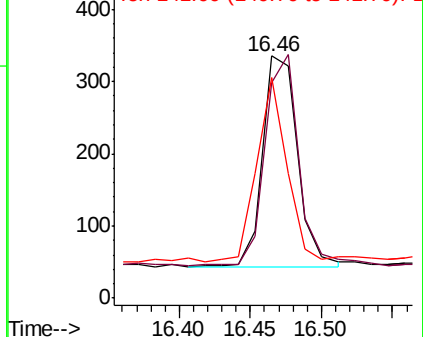
141 91.3 65.8 98.8

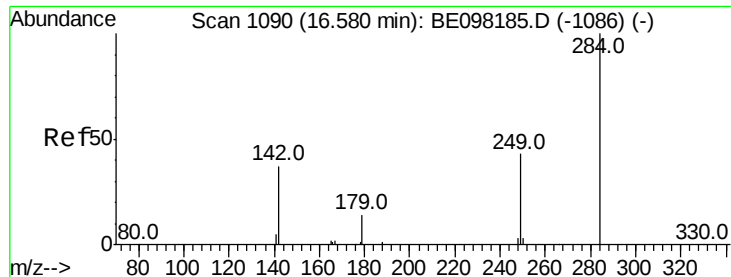


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

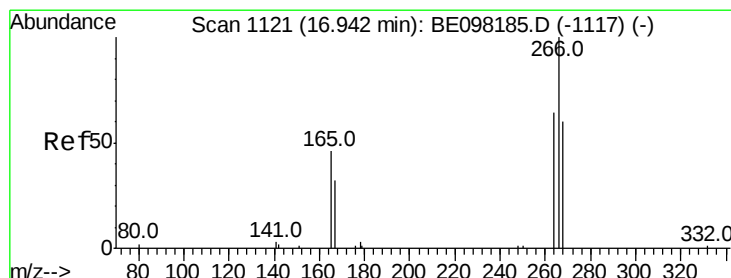
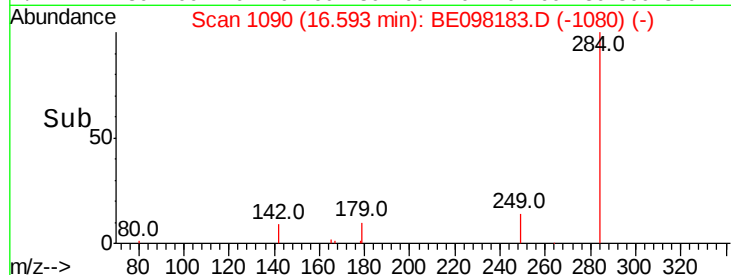
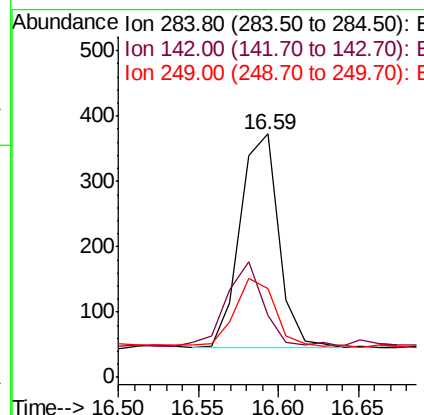
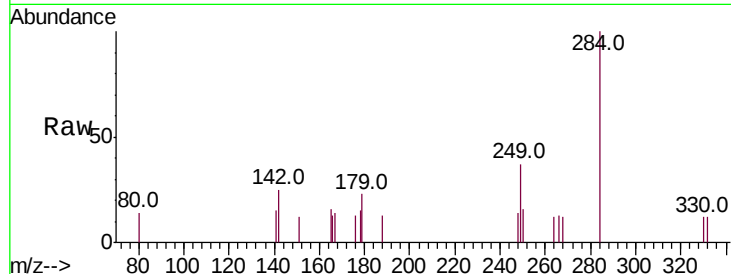




#21  
Hexachlorobenzene  
Concen: 0.102 ng  
RT: 16.59 min Scan# 1090  
Delta R.T. 0.01 min  
Lab File: BE098183.D  
Acq: 12 Nov 2018 9:53

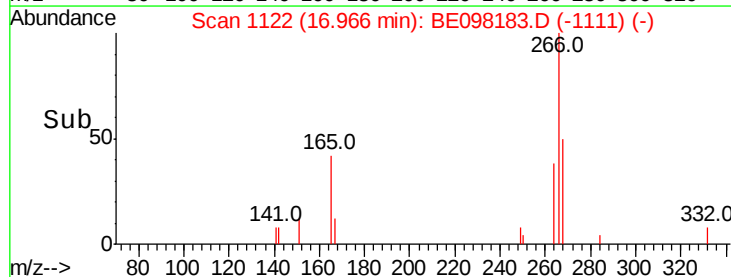
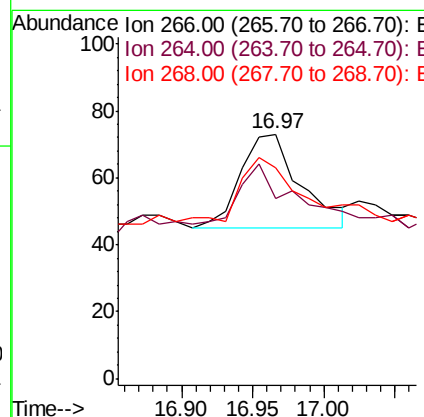
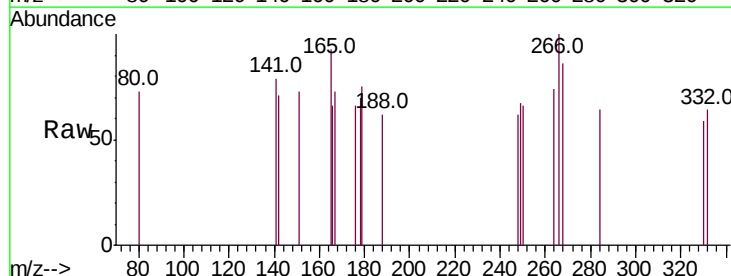
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDIC0.1

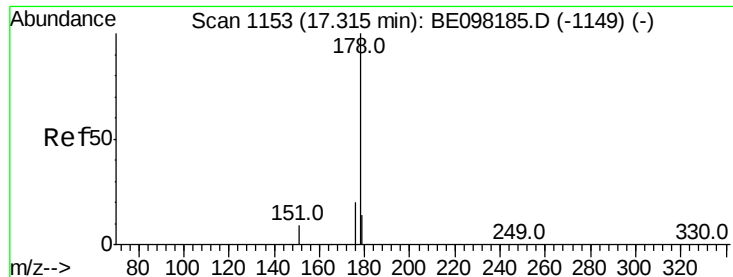
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 37.4  | 26.5  | 39.7  |
| 249     | 32.6  | 28.4  | 42.6  |



#22  
Pentachlorophenol  
Concen: 0.069 ng  
RT: 16.97 min Scan# 1122  
Delta R.T. 0.02 min  
Lab File: BE098183.D  
Acq: 12 Nov 2018 9:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 74.0  | 57.6  | 86.4  |
| 268     | 86.3  | 56.8  | 85.2  |





#23

Phenanthrene

Concen: 0.103 ng

RT: 17.32 min Scan# 1152

Delta R.T. 0.00 min

Lab File: BE098183.D

Acq: 12 Nov 2018 9:53

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.1

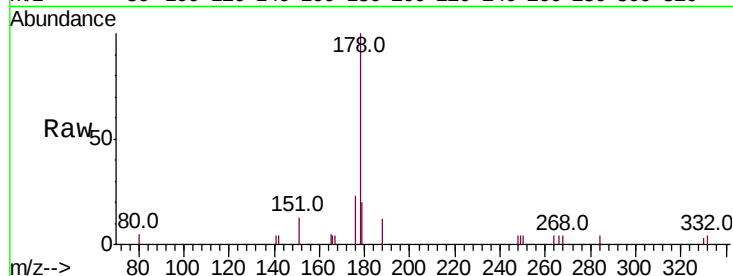
Tot Ion:178 Resp: 2138

Ion Ratio Lower Upper

178 100

176 18.8 15.8 23.8

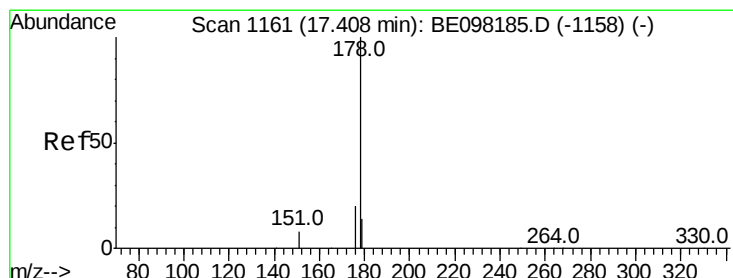
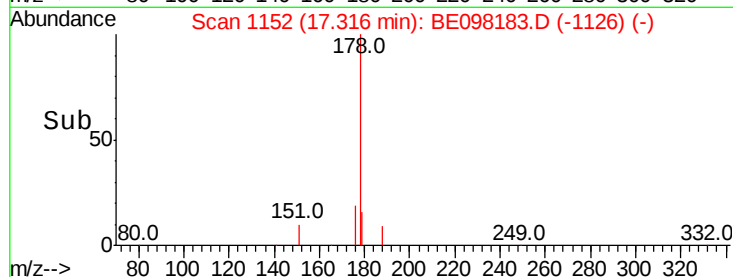
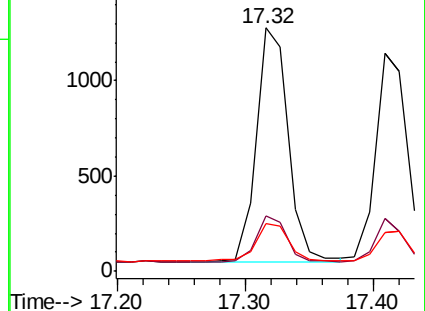
179 17.1 12.3 18.5



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: 0.096 ng

RT: 17.41 min Scan# 1160

Delta R.T. 0.00 min

Lab File: BE098183.D

Acq: 12 Nov 2018 9:53

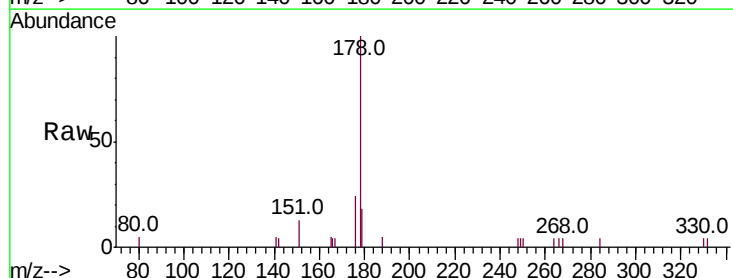
Tgt Ion:178 Resp: 1897

Ion Ratio Lower Upper

178 100

176 18.2 15.7 23.5

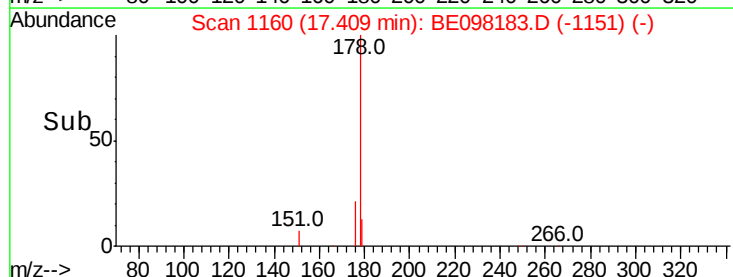
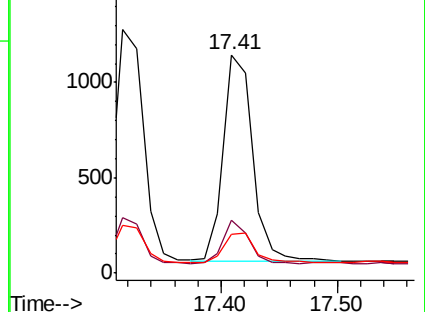
179 14.7 12.1 18.1

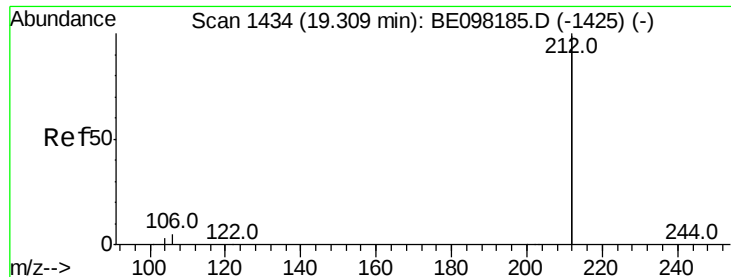


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.099 ng

RT: 19.31 min Scan# 1434

Delta R.T. 0.01 min

Lab File: BE098183.D

Acq: 12 Nov 2018 9:53

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.1

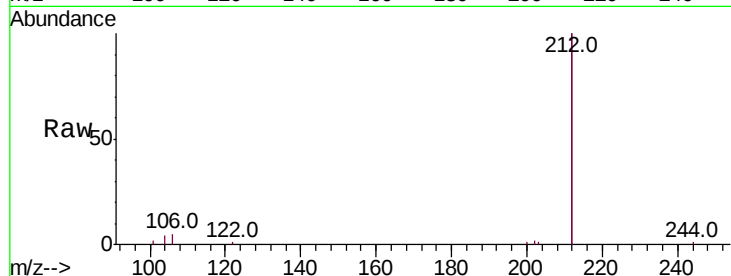
Tot Ion:212 Resp: 10610

Ion Ratio Lower Upper

212 100

106 2.6 1.8 2.8

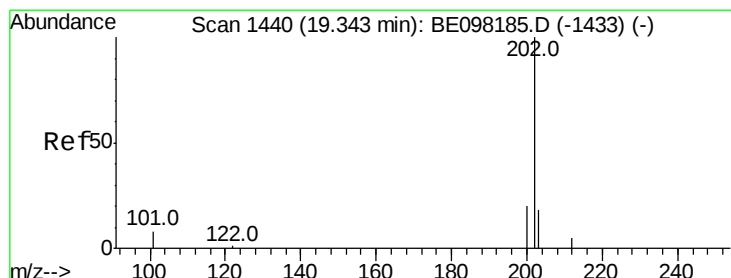
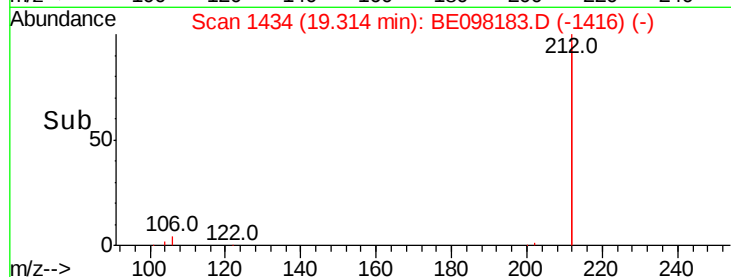
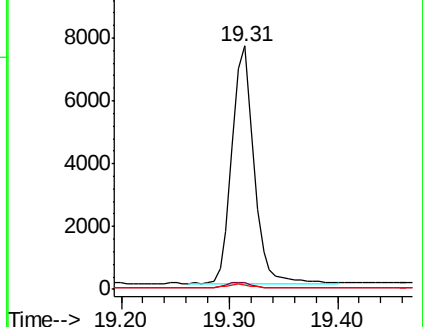
104 1.5 1.1 1.7



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: 0.100 ng

RT: 19.34 min Scan# 1439

Delta R.T. -0.00 min

Lab File: BE098183.D

Acq: 12 Nov 2018 9:53

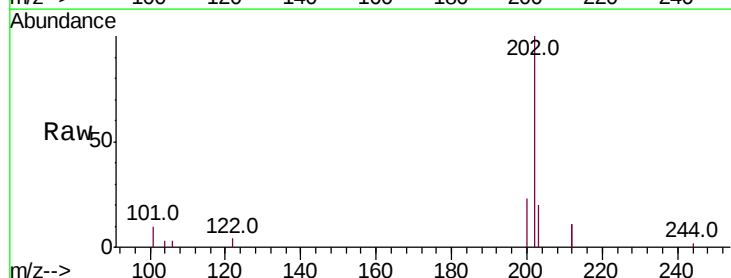
Tgt Ion:202 Resp: 2585

Ion Ratio Lower Upper

202 100

101 8.5 7.0 10.6

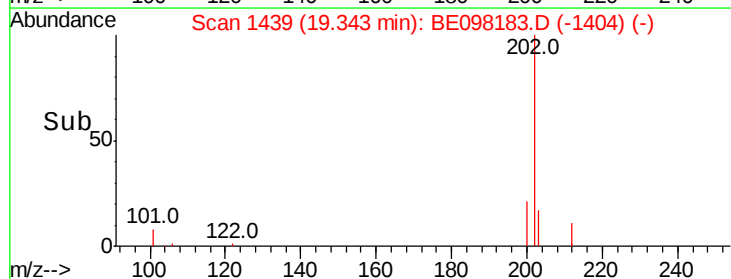
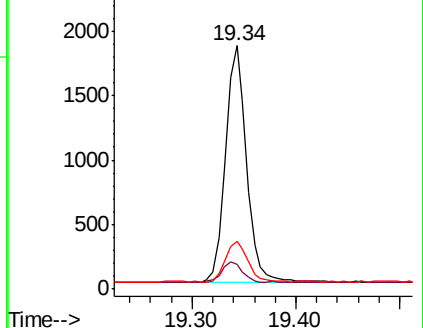
203 18.2 13.7 20.5

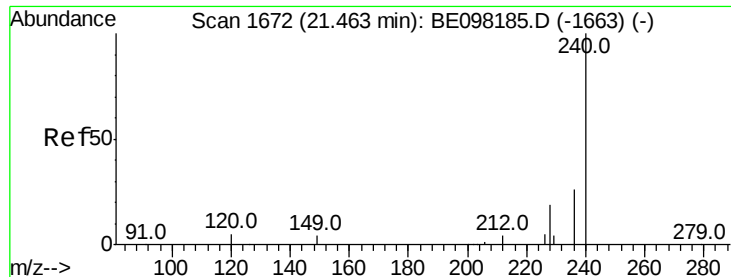


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.46 min Scan# 1671

Delta R.T. -0.00 min

Lab File: BE098183.D

Acq: 12 Nov 2018 9:53

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.1

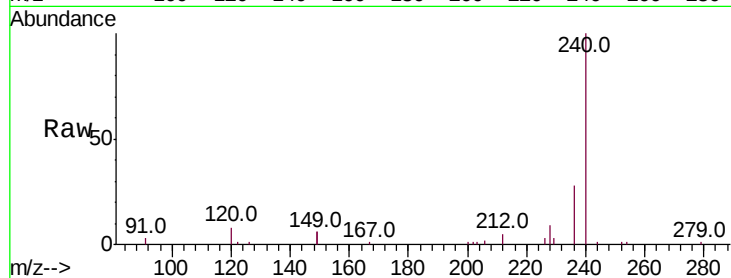
Tot Ion:240 Resp: 9475

Ion Ratio Lower Upper

240 100

120 8.2 4.8 7.2#

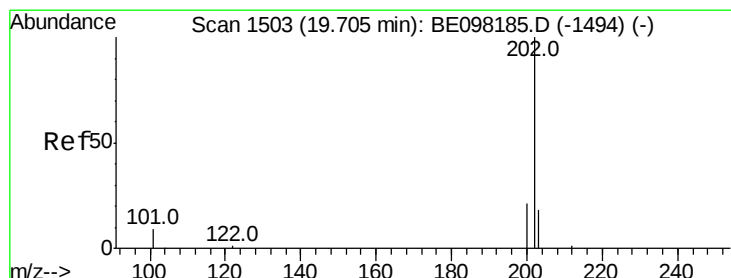
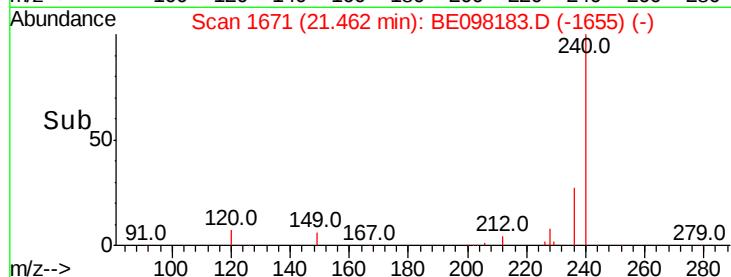
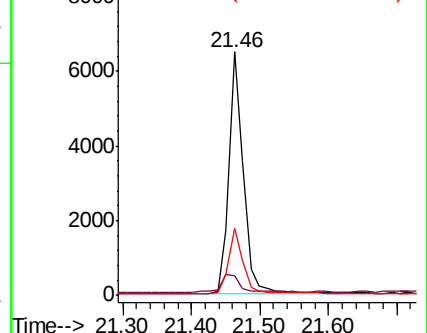
236 27.6 21.4 32.0



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: 0.107 ng

RT: 19.70 min Scan# 1502

Delta R.T. -0.00 min

Lab File: BE098183.D

Acq: 12 Nov 2018 9:53

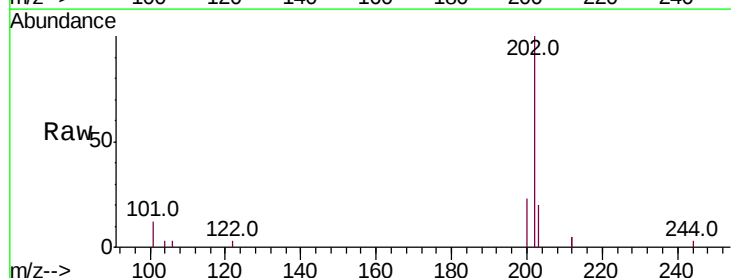
Tgt Ion:202 Resp: 2774

Ion Ratio Lower Upper

202 100

200 21.1 17.2 25.8

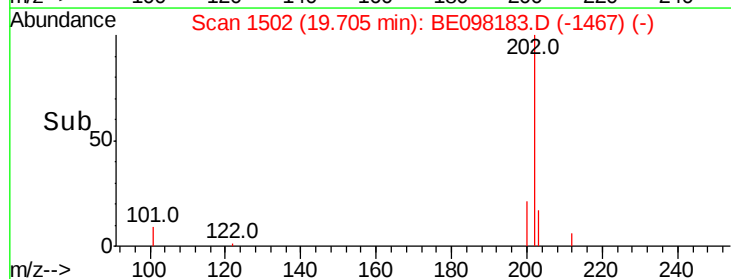
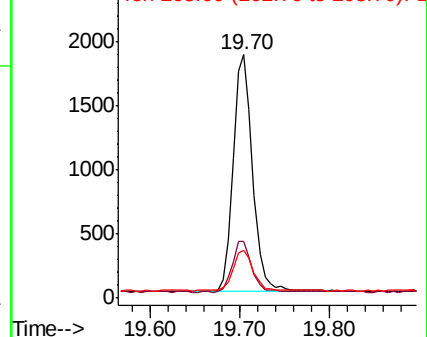
203 18.5 14.2 21.4

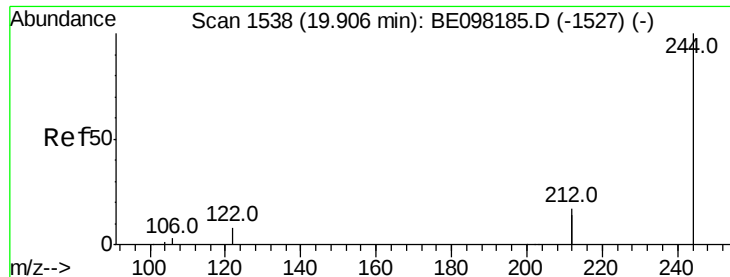


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.109 ng

RT: 19.91 min Scan# 1537

Delta R.T. -0.00 min

Lab File: BE098183.D

Acq: 12 Nov 2018 9:53

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.1

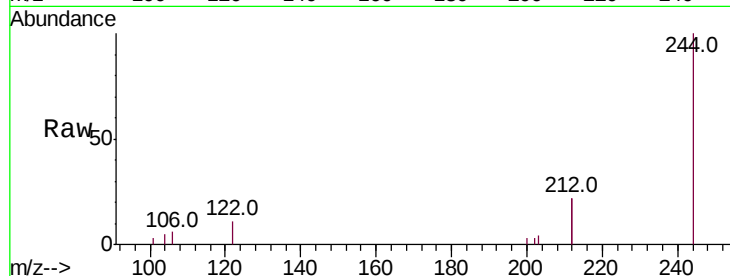
Tot Ion:244 Resp: 2404

Ion Ratio Lower Upper

244 100

212 44.7 26.8 40.2#

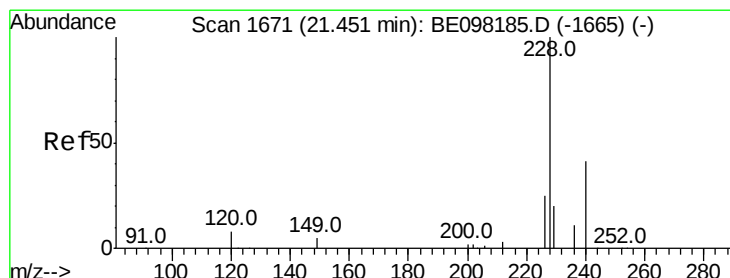
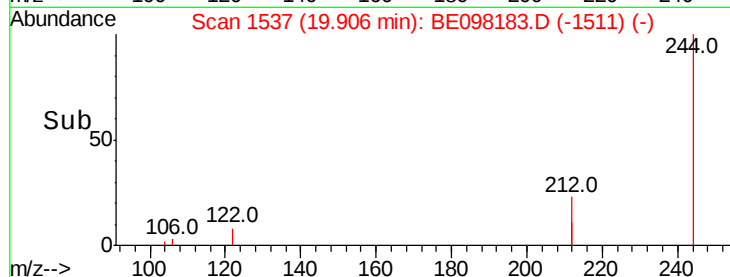
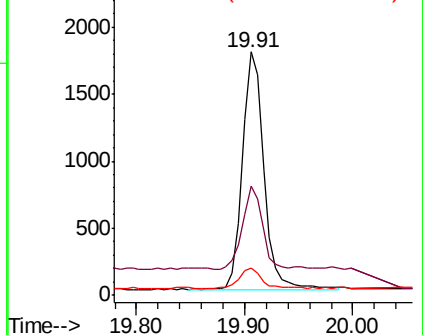
122 11.1 7.0 10.6#



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: 0.102 ng

RT: 21.45 min Scan# 1670

Delta R.T. -0.00 min

Lab File: BE098183.D

Acq: 12 Nov 2018 9:53

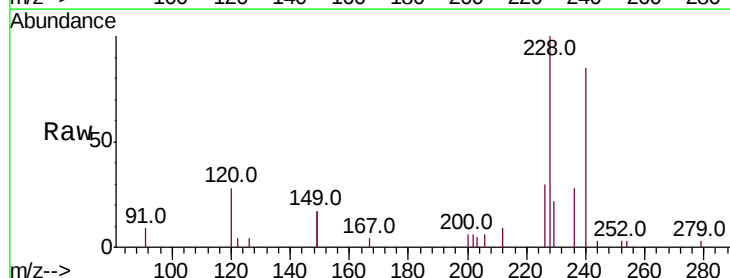
Tgt Ion:228 Resp: 2832

Ion Ratio Lower Upper

228 100

226 29.5 20.7 31.1

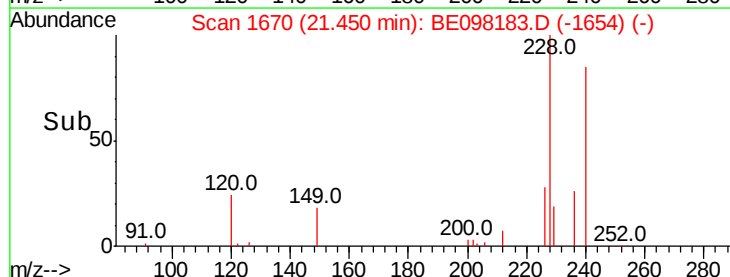
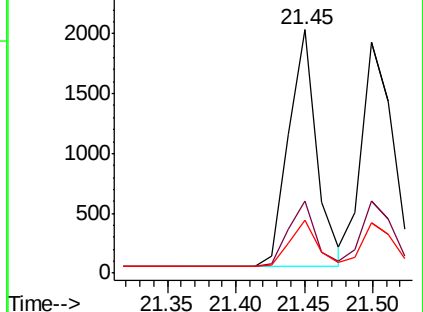
229 21.6 16.2 24.4

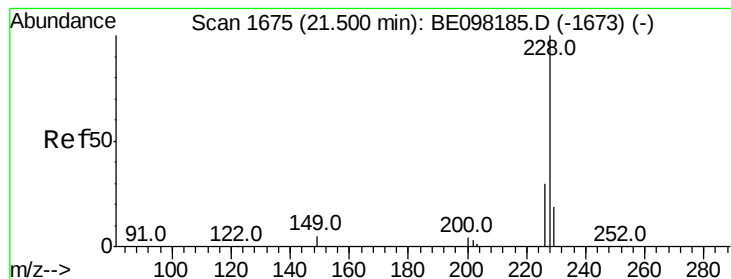


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.108 ng

RT: 21.50 min Scan# 1674

Delta R.T. -0.00 min

Lab File: BE098183.D

Acq: 12 Nov 2018 9:53

Instrument :

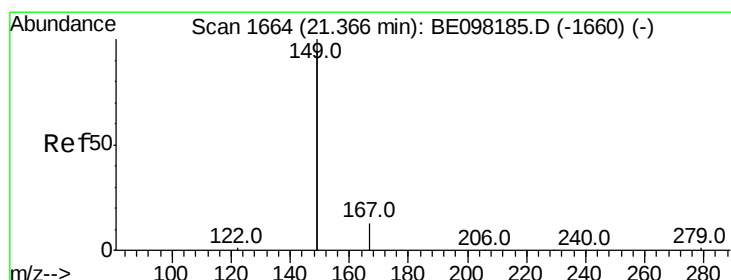
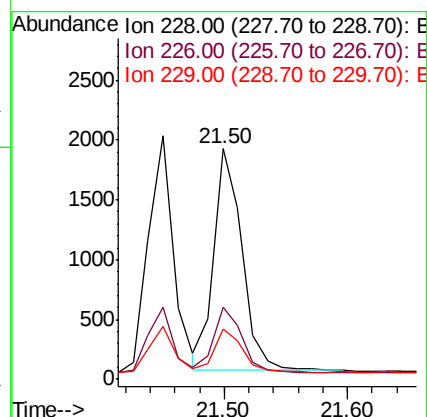
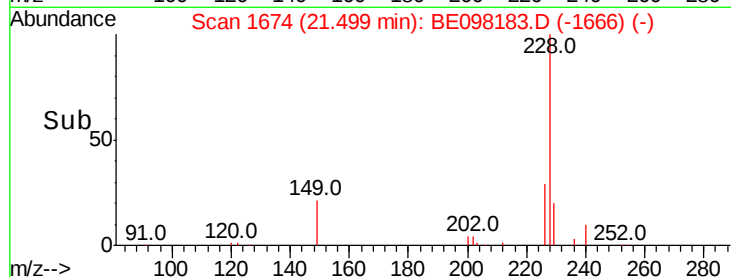
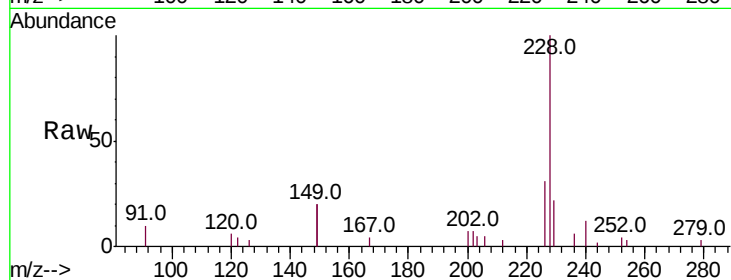
BNA\_E

ClientSampleId :

SSTDIC0.1

Tot Ion:228 Resp: 2954

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 31.3  | 24.6  | 36.8  |
| 229 | 22.0  | 16.0  | 24.0  |



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.063 ng

RT: 21.37 min Scan# 1663

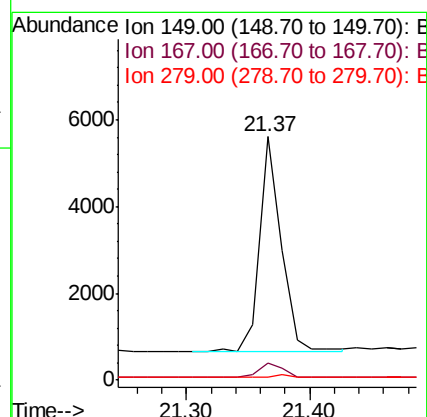
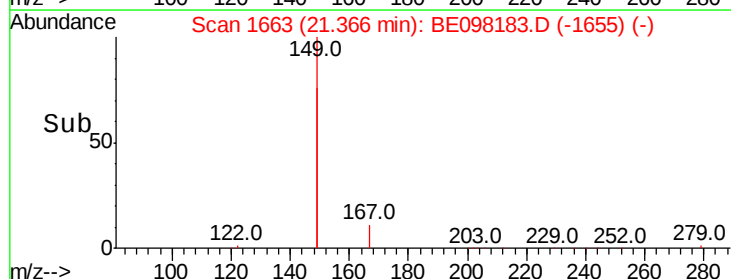
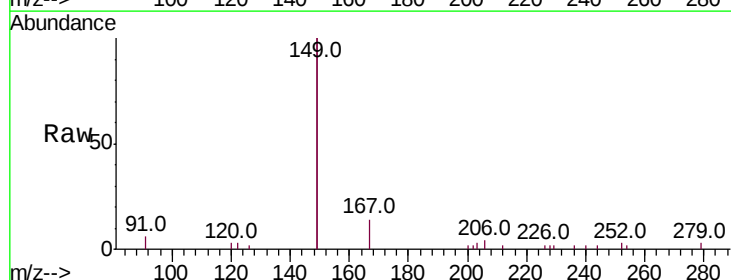
Delta R.T. -0.00 min

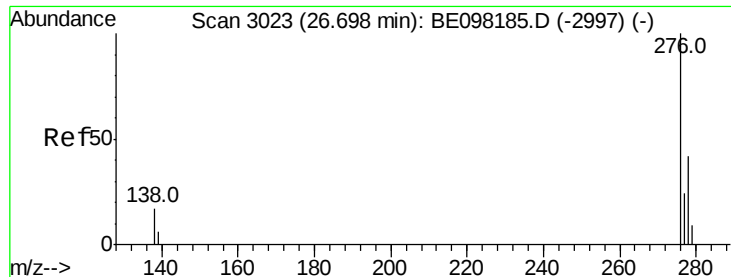
Lab File: BE098183.D

Acq: 12 Nov 2018 9:53

Tgt Ion:149 Resp: 6160

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 6.8   | 5.6   | 8.4   |
| 279 | 1.8   | 0.9   | 1.3#  |





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.086 ng

RT: 26.70 min Scan# 3023

Delta R.T. 0.00 min

Lab File: BE098183.D

Acq: 12 Nov 2018 9:53

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.1

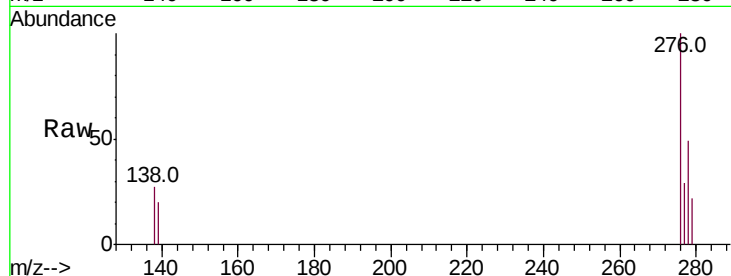
Tot Ion:276 Resp: 2464

Ion Ratio Lower Upper

276 100

138 8.1 6.4 9.6

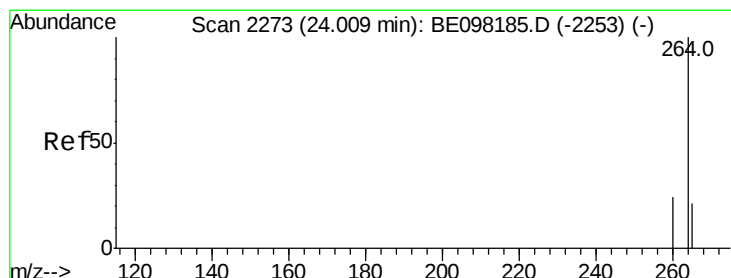
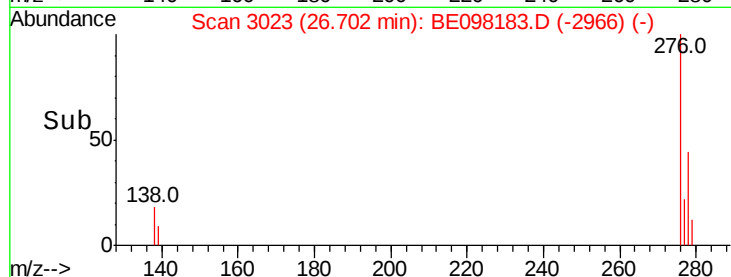
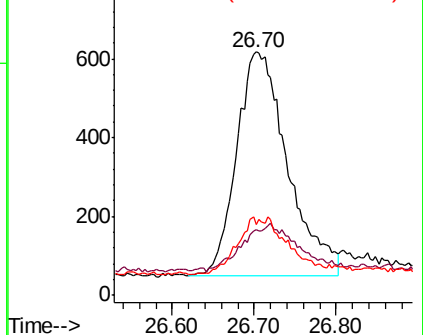
277 9.3 18.9 28.3#



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: 24.01 min Scan# 2272

Delta R.T. -0.00 min

Lab File: BE098183.D

Acq: 12 Nov 2018 9:53

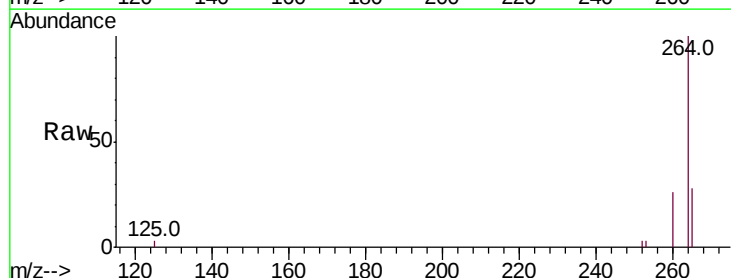
Tgt Ion:264 Resp: 9287

Ion Ratio Lower Upper

264 100

260 25.6 19.9 29.9

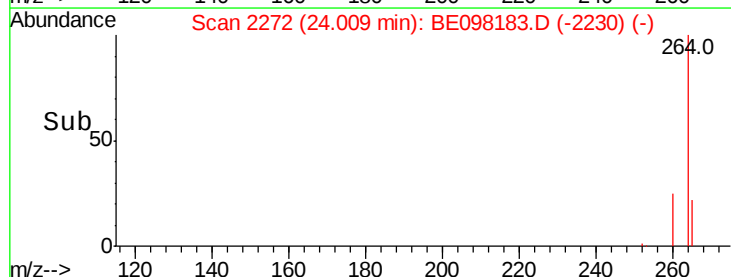
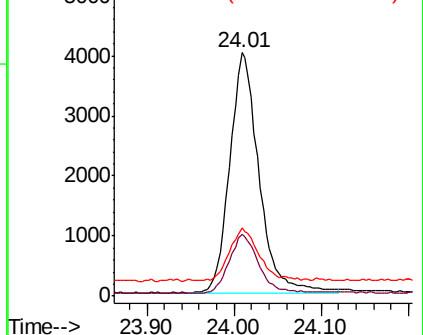
265 28.0 21.3 31.9

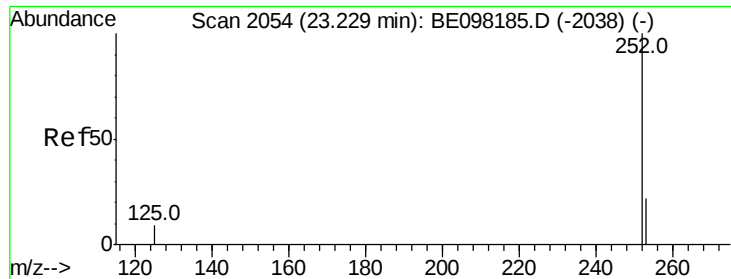


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.104 ng

RT: 23.23 min Scan# 2054

Delta R.T. 0.00 min

Lab File: BE098183.D

Acq: 12 Nov 2018 9:53

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.1

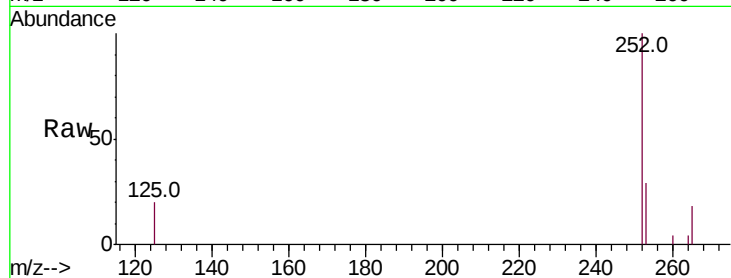
Tot Ion:252 Resp: 2715

Ion Ratio Lower Upper

252 100

253 29.5 19.4 29.0#

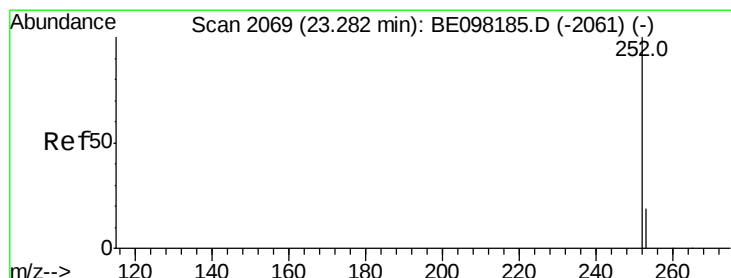
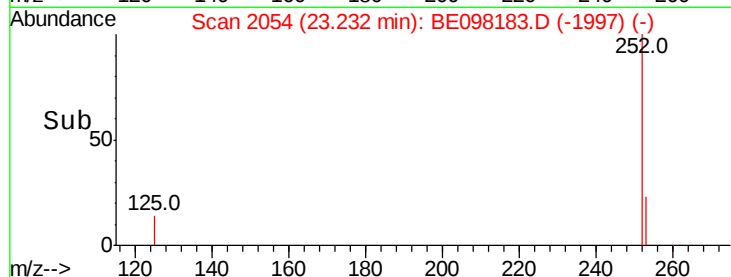
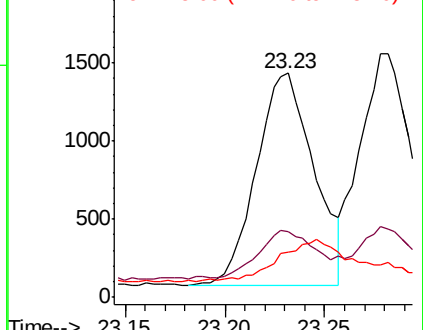
125 20.4 8.6 12.8#



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: 0.106 ng

RT: 23.28 min Scan# 2068

Delta R.T. -0.00 min

Lab File: BE098183.D

Acq: 12 Nov 2018 9:53

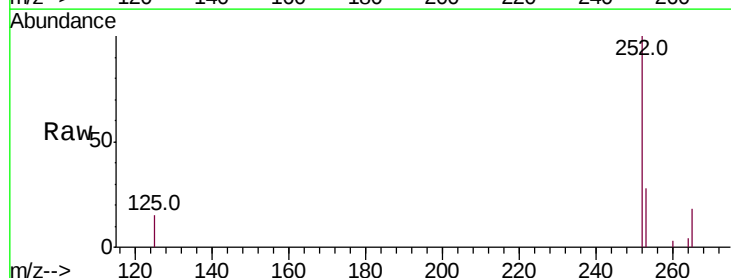
Tgt Ion:252 Resp: 2860

Ion Ratio Lower Upper

252 100

253 28.0 18.6 28.0#

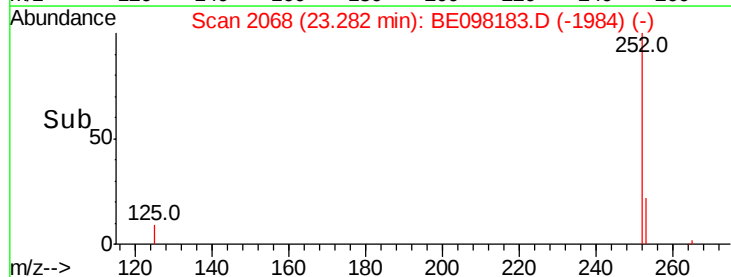
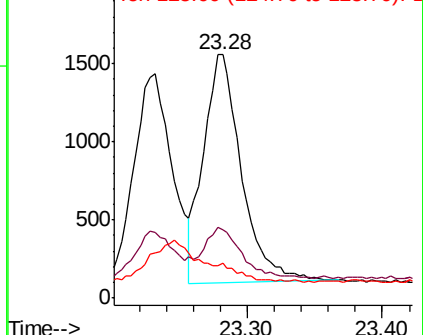
125 14.6 7.4 11.0#

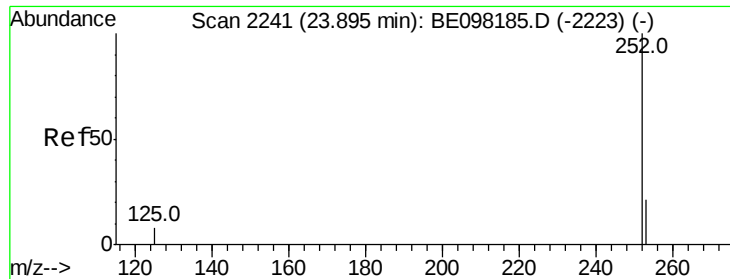


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.101 ng

RT: 23.89 min Scan# 2240

Delta R.T. -0.00 min

Lab File: BE098183.D

Acq: 12 Nov 2018 9:53

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.1

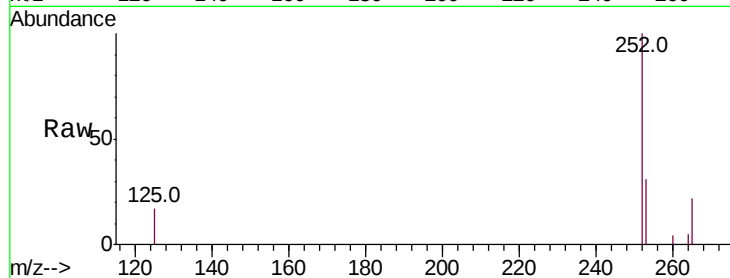
Tot Ion:252 Resp: 2593

Ion Ratio Lower Upper

252 100

253 31.2 18.6 27.8#

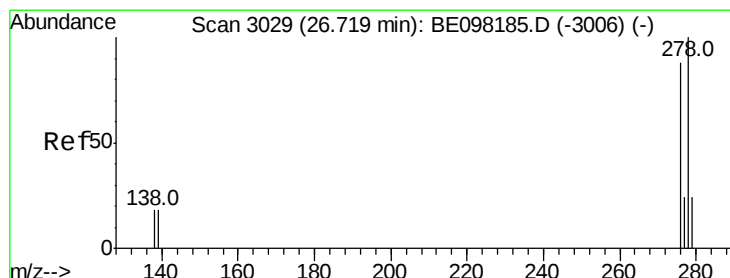
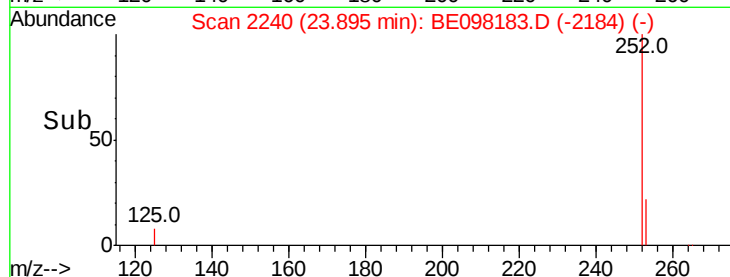
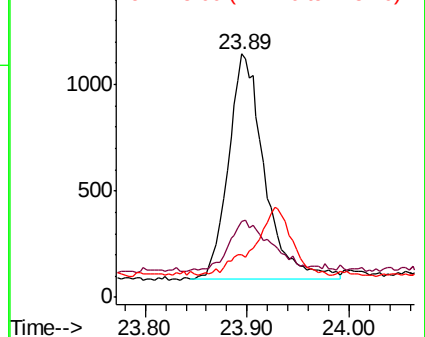
125 17.4 8.0 12.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.081 ng

RT: 26.72 min Scan# 3029

Delta R.T. 0.00 min

Lab File: BE098183.D

Acq: 12 Nov 2018 9:53

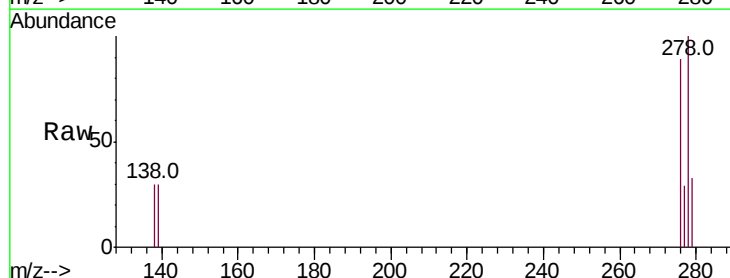
Tgt Ion:278 Resp: 1935

Ion Ratio Lower Upper

278 100

139 29.6 16.4 24.6#

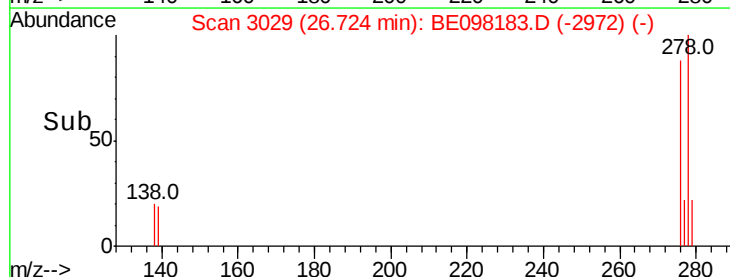
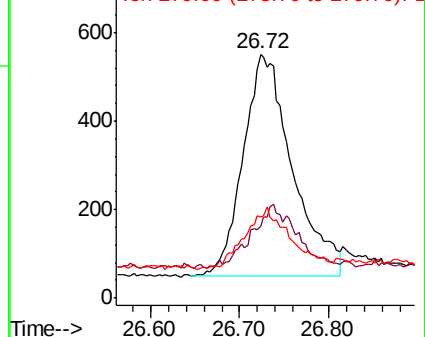
279 33.4 21.3 31.9#

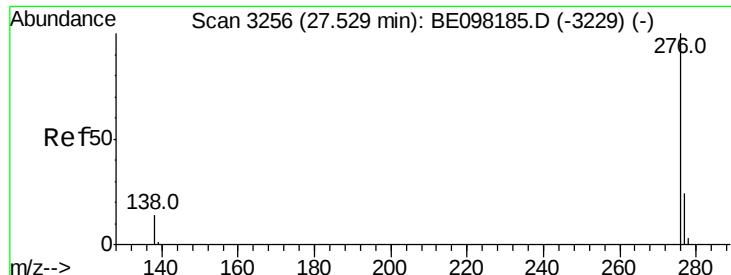


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.094 ng

RT: 27.53 min Scan# 3254

Delta R.T. -0.00 min

Lab File: BE098183.D

Acq: 12 Nov 2018 9:53

Instrument :

BNA\_E

ClientSampleId :

SSTDIC0.1

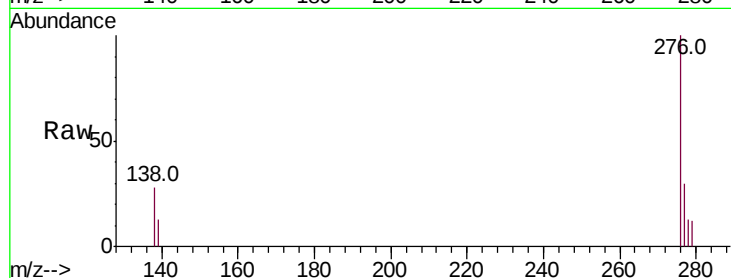
Tot Ion:276 Resp: 2226

Ion Ratio Lower Upper

276 100

277 30.1 20.4 30.6

138 27.7 13.2 19.8#



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

