

Data Path : Z:\svoasrv\HPCHEM1\BNA\_E\Data\BE121018\  
 Data File : BE098295.D  
 Acq On : 10 Dec 2018 12:27  
 Operator : SJ/JU  
 Sample : SSTDICC0.4  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC0.4

Quant Time: Dec 10 13:11:30 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  | 1532     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.67 | 136  | 6731     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.53 | 164  | 4370     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.28 | 188  | 12249    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.46 | 240  | 12959    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 24.01 | 264  | 11741    | 0.40 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.45  | 112  | 1390     | 0.34 | ng    | 0.00     |
| 5) Phenol-d6                | 7.05  | 99   | 2043     | 0.35 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 9.02  | 82   | 2245     | 0.33 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10 | 12.27 | 152  | 4320     | 0.40 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 16.02 | 330  | 608      | 0.29 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 13.15 | 172  | 6712     | 0.37 | ng    | 0.00     |
| 25) Fluoranthene-d10        | 19.31 | 212  | 65317    | 0.40 | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.91 | 244  | 12484    | 0.43 | ng    | 0.00     |

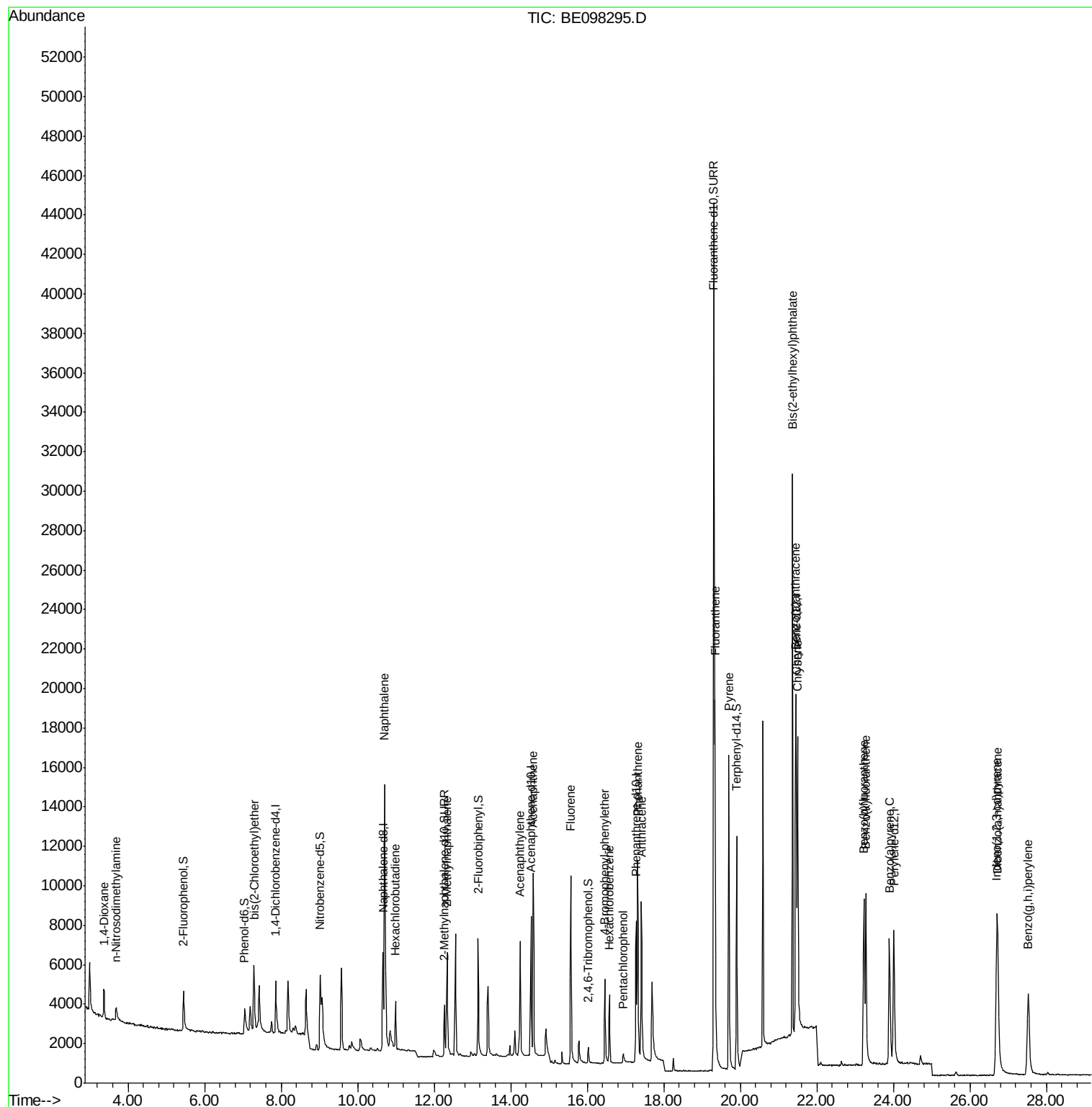
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.37  | 88   | 1041     | 0.366 | ng    | 94     |
| 3) n-Nitrosodimethylamine      | 3.69  | 42   | 884      | 0.301 | ng    | # 100  |
| 6) bis(2-Chloroethyl)ether     | 7.29  | 93   | 1864     | 0.351 | ng    | 93     |
| 9) Naphthalene                 | 10.71 | 128  | 26406    | 0.390 | ng    | 99     |
| 10) Hexachlorobutadiene        | 10.99 | 225  | 1675     | 0.386 | ng    | 99     |
| 12) 2-Methylnaphthalene        | 12.34 | 142  | 4303     | 0.383 | ng    | 97     |
| 16) Acenaphthylene             | 14.24 | 152  | 7915     | 0.388 | ng    | 99     |
| 17) Acenaphthene               | 14.59 | 154  | 4878     | 0.401 | ng    | 98     |
| 18) Fluorene                   | 15.57 | 166  | 6542     | 0.406 | ng    | 98     |
| 20) 4-Bromophenyl-phenylether  | 16.47 | 248  | 2530     | 0.365 | ng    | 90     |
| 21) Hexachlorobenzene          | 16.58 | 284  | 2781     | 0.388 | ng    | 99     |
| 22) Pentachlorophenol          | 16.94 | 266  | 445      | 0.191 | ng    | 91     |
| 23) Phenanthrene               | 17.32 | 178  | 11739    | 0.386 | ng    | 100    |
| 24) Anthracene                 | 17.41 | 178  | 10490    | 0.370 | ng    | 99     |
| 26) Fluoranthene               | 19.34 | 202  | 16434    | 0.396 | ng    | 99     |
| 28) Pyrene                     | 19.70 | 202  | 16653    | 0.464 | ng    | 100    |
| 30) Benzo(a)anthracene         | 21.45 | 228  | 14432    | 0.378 | ng    | 98     |
| 31) Chrysene                   | 21.50 | 228  | 15332    | 0.396 | ng    | 98     |
| 32) Bis(2-ethylhexyl)phthalate | 21.37 | 149  | 29818    | 0.326 | ng    | 100    |
| 33) Indeno(1,2,3-cd)pyrene     | 26.70 | 276  | 14580    | 0.372 | ng    | 99     |
| 35) Benzo(b)fluoranthene       | 23.23 | 252  | 12449    | 0.362 | ng    | 98     |
| 36) Benzo(k)fluoranthene       | 23.28 | 252  | 14352    | 0.397 | ng    | 99     |
| 37) Benzo(a)pyrene             | 23.90 | 252  | 12988    | 0.392 | ng    | 97     |
| 38) Dibenzo(a,h)anthracene     | 26.73 | 278  | 12137    | 0.386 | ng    | 99     |
| 39) Benzo(g,h,i)perylene       | 27.52 | 276  | 12202    | 0.387 | ng    | 97     |

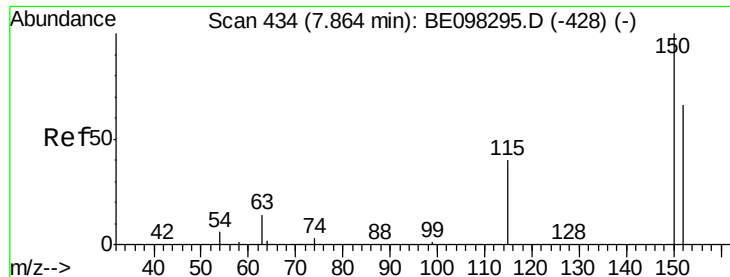
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : SSTDICCC0.4  
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ALS Vial : 5 Sample Multiplier: 1

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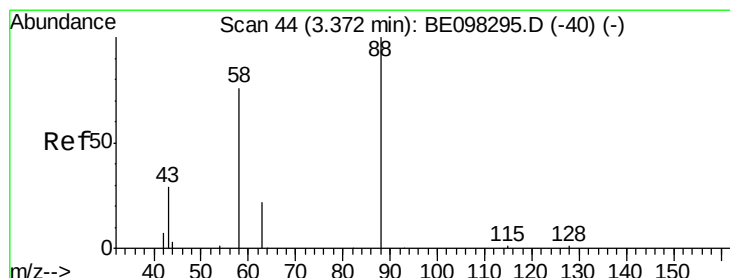
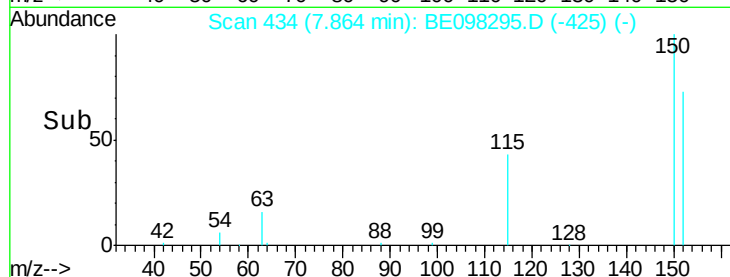
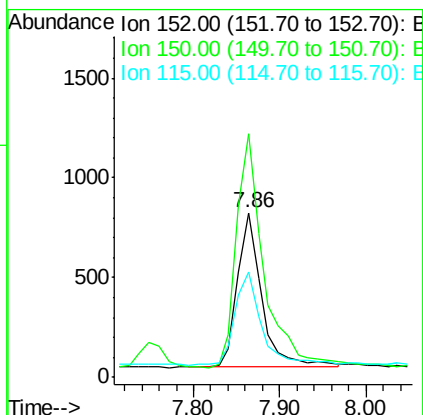
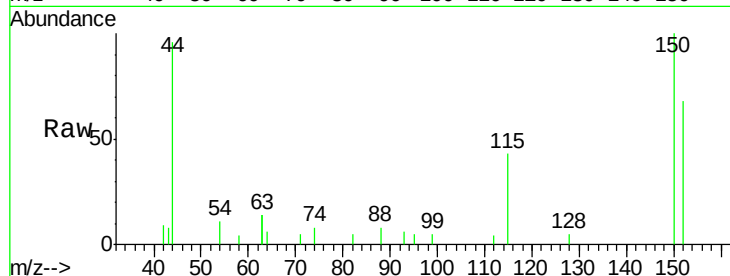


#1

1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.86 min Scan# 434  
Delta R.T. 0.00 min  
Lab File: BE098295.D  
Acq: 10 Dec 2018 12:27

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICCC0.4

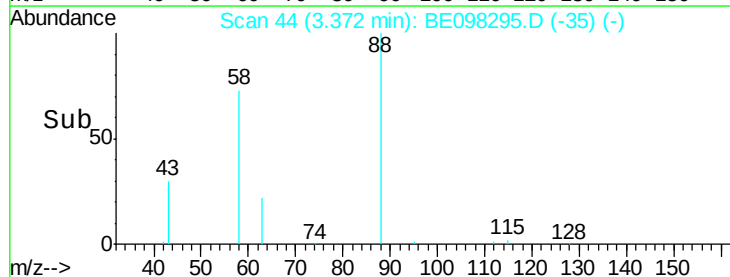
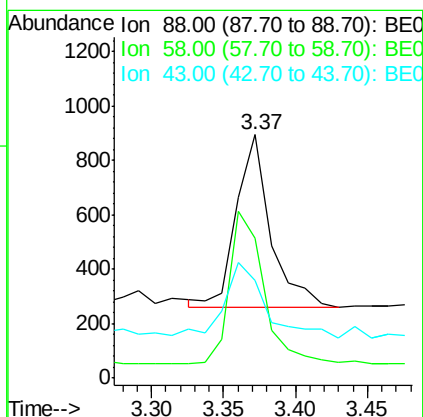
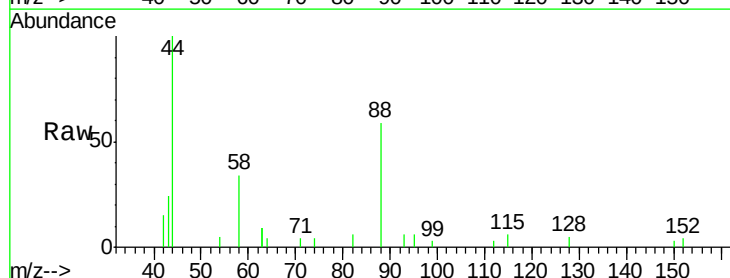
Tgt Ion: 152 Resp: 1532  
Ion Ratio Lower Upper  
152 100  
150 148.0 124.2 186.4  
115 63.8 53.9 80.9

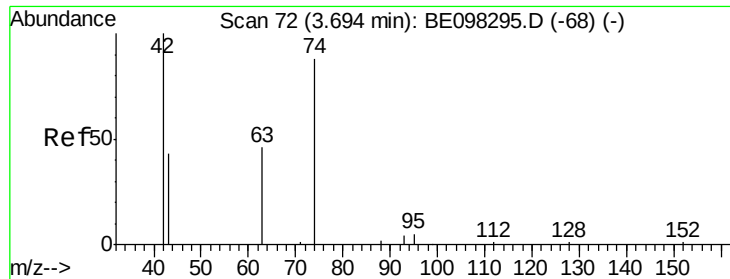


#2

1,4-Dioxane  
Concen: 0.366 ng  
RT: 3.37 min Scan# 44  
Delta R.T. 0.00 min  
Lab File: BE098295.D  
Acq: 10 Dec 2018 12:27

Tgt Ion: 88 Resp: 1041  
Ion Ratio Lower Upper  
88 100  
58 88.9 75.0 112.6  
43 52.9 38.3 57.5



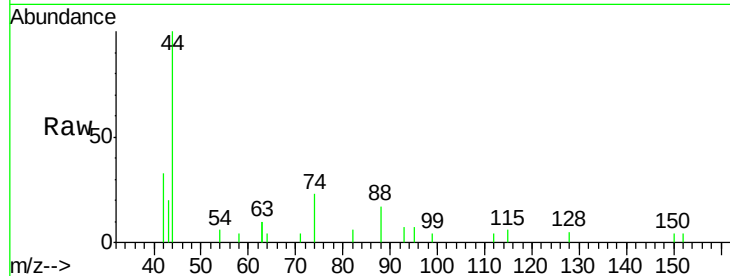


#3

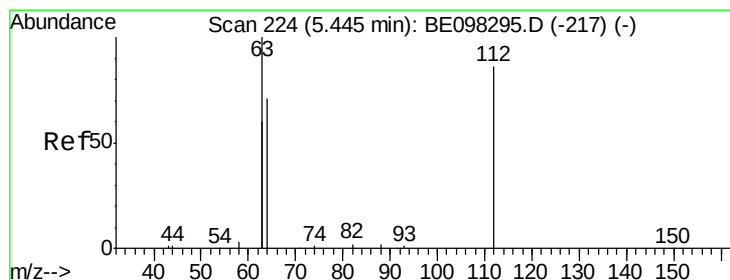
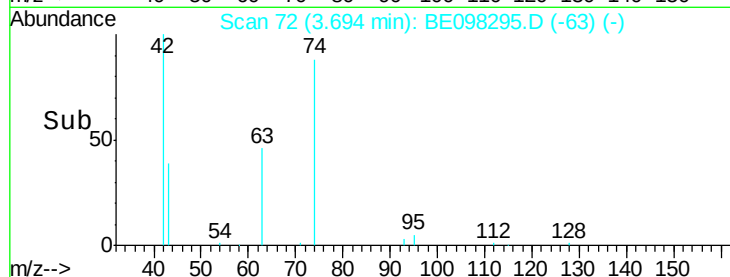
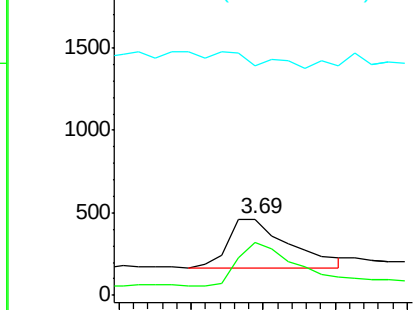
n-Nitrosodimethylamine  
 Concen: 0.301 ng  
 RT: 3.69 min Scan# 72  
 Delta R.T. 0.00 min  
 Lab File: BE098295.D  
 Acq: 10 Dec 2018 12:27

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC0.4

Tgt Ion: 42 Resp: 884  
 Ion Ratio Lower Upper  
 42 100  
 74 83.6 0.0 0.0#  
 44 0.0 0.0 0.0



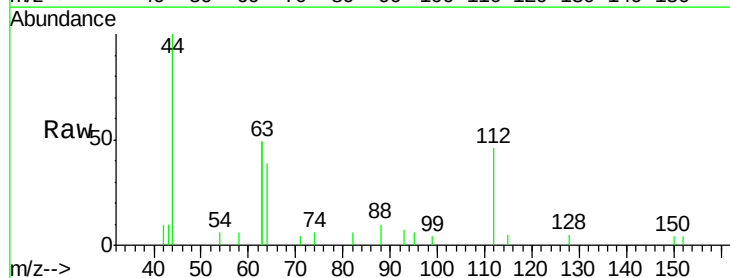
Abundance Ion 42.00 (41.70 to 42.70): BE0  
 Ion 74.00 (73.70 to 74.70): BE0  
 Ion 44.00 (43.70 to 44.70): BE0



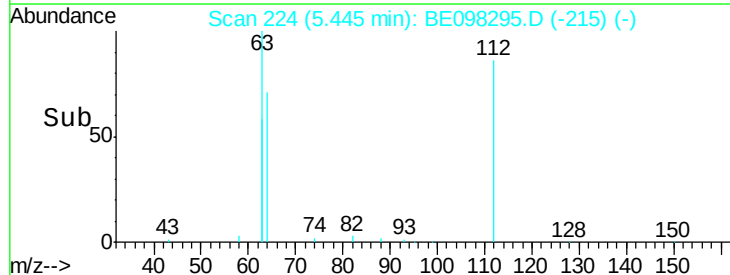
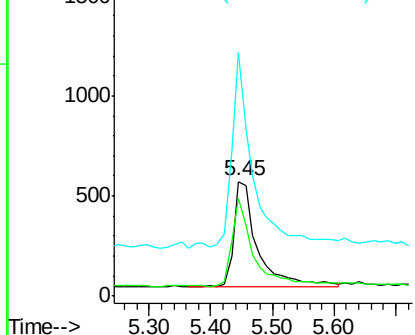
#4

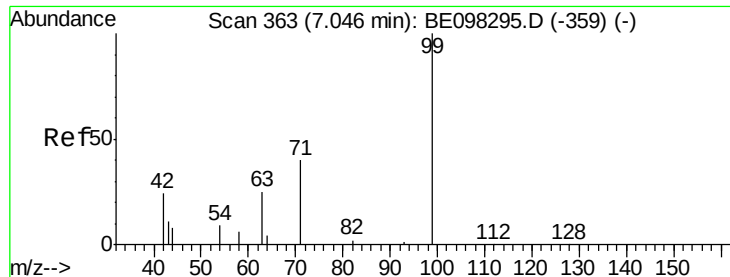
2-Fluorophenol  
 Concen: 0.340 ng  
 RT: 5.45 min Scan# 224  
 Delta R.T. 0.00 min  
 Lab File: BE098295.D  
 Acq: 10 Dec 2018 12:27

Tgt Ion: 112 Resp: 1390  
 Ion Ratio Lower Upper  
 112 100  
 64 78.4 59.8 89.8  
 63 168.1 133.7 200.5



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: 0.355 ng

RT: 7.05 min Scan# 363

Delta R.T. 0.00 min

Lab File: BE098295.D

Acq: 10 Dec 2018 12:27

Instrument :

BNA\_E

ClientSampleId :

SSTDICCC0.4

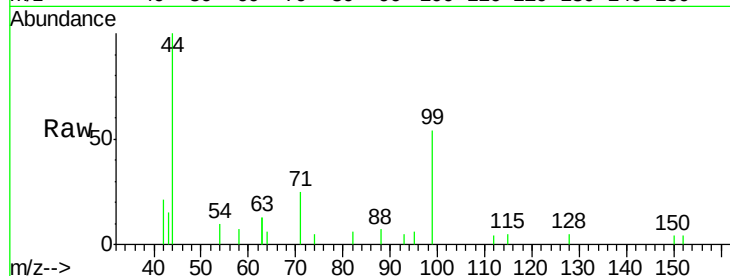
Tgt Ion: 99 Resp: 2043

Ion Ratio Lower Upper

99 100

42 30.2 26.3 39.5

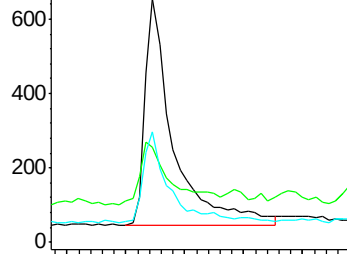
71 37.5 33.6 50.4



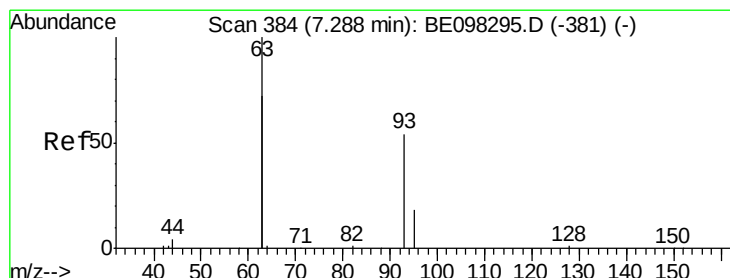
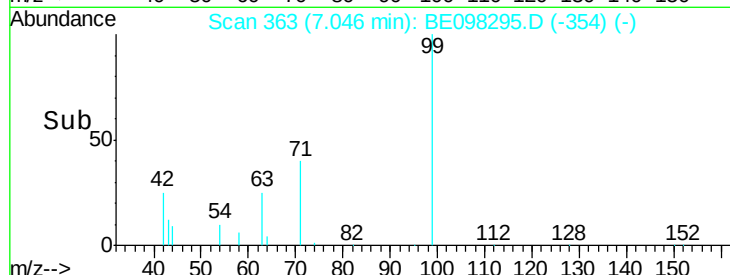
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time--> 6.90 7.00 7.10 7.20 7.30



#6

bis(2-Chloroethyl)ether

Concen: 0.351 ng

RT: 7.29 min Scan# 384

Delta R.T. 0.00 min

Lab File: BE098295.D

Acq: 10 Dec 2018 12:27

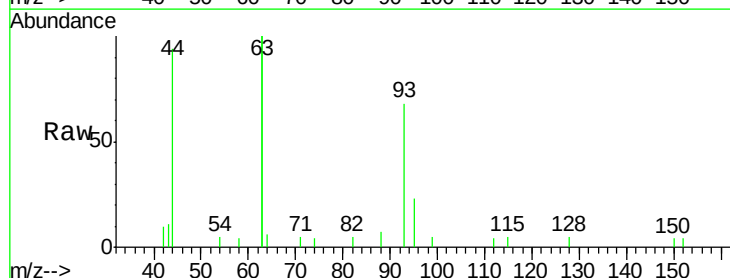
Tgt Ion: 93 Resp: 1864

Ion Ratio Lower Upper

93 100

63 315.6 264.4 396.6

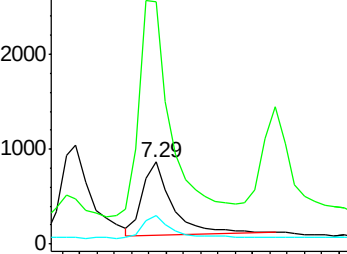
95 32.3 26.6 40.0



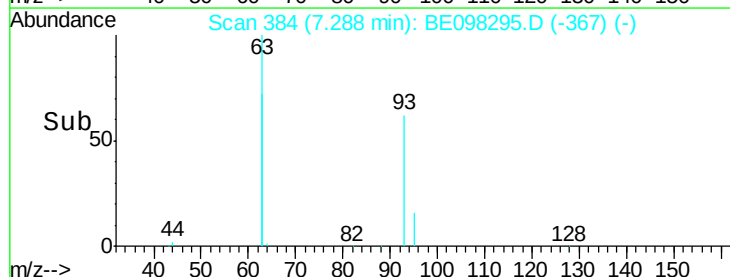
Abundance Ion 93.00 (92.70 to 93.70): BE0

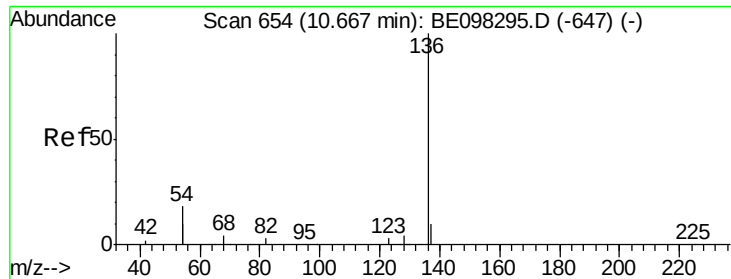
Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



Time--> 7.20 7.30 7.40





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.67 min Scan# 654

Delta R.T. 0.00 min

Lab File: BE098295.D

Acq: 10 Dec 2018 12:27

Instrument :

BNA\_E

ClientSampleId :

SSTDICCC0.4

Tgt Ion: 136 Resp: 6731

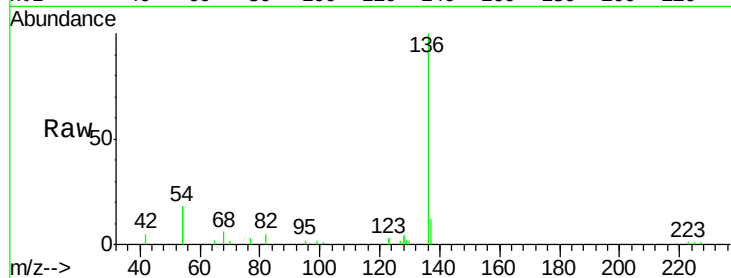
Ion Ratio Lower Upper

136 100

137 11.8 9.2 13.8

54 35.4 28.4 42.6

68 6.0 5.4 8.0

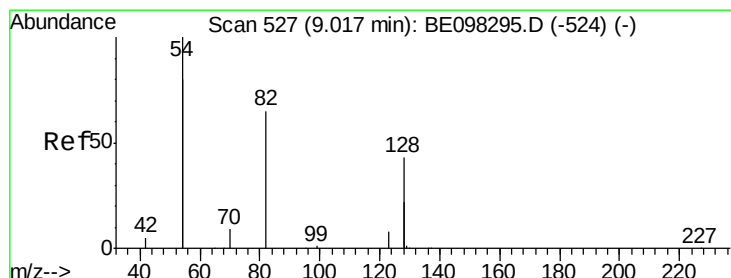
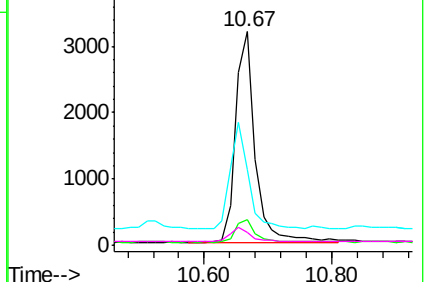
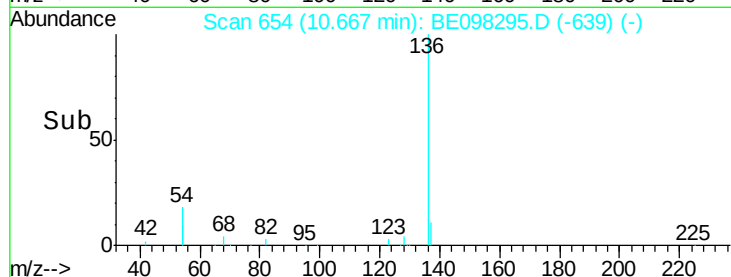


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.329 ng

RT: 9.02 min Scan# 527

Delta R.T. 0.00 min

Lab File: BE098295.D

Acq: 10 Dec 2018 12:27

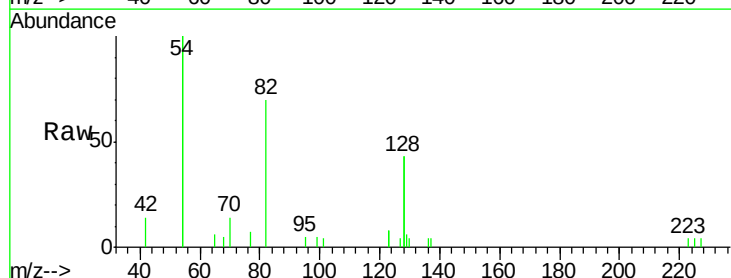
Tgt Ion: 82 Resp: 2245

Ion Ratio Lower Upper

82 100

128 122.8 102.4 153.6

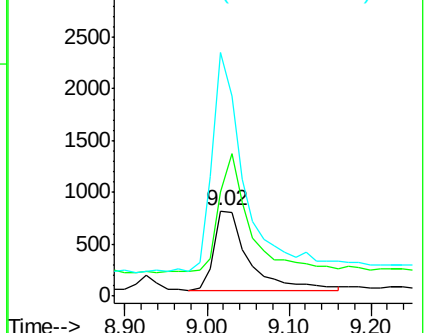
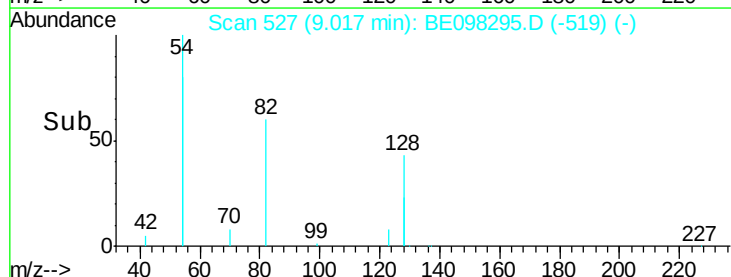
54 286.2 221.8 332.8

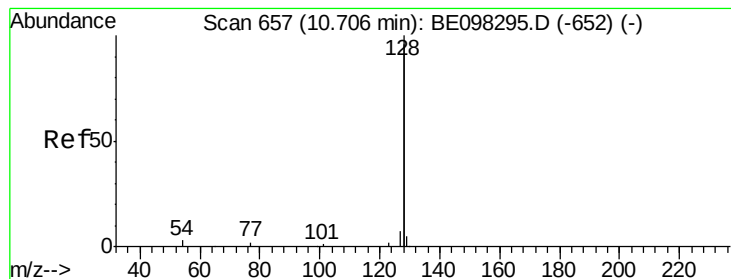


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.390 ng

RT: 10.71 min Scan# 657

Delta R.T. 0.00 min

Lab File: BE098295.D

Acq: 10 Dec 2018 12:27

Instrument :

BNA\_E

ClientSampleId :

SSTDICCC0.4

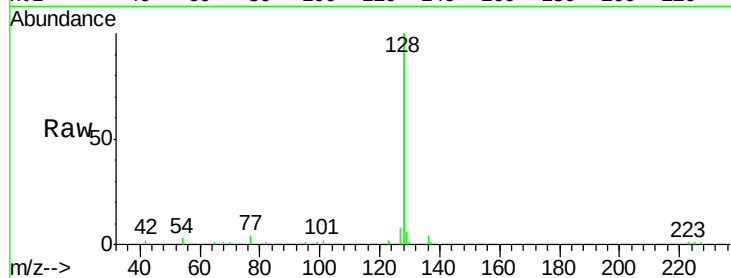
Tgt Ion:128 Resp: 26406

Ion Ratio Lower Upper

128 100

129 3.0 2.5 3.7

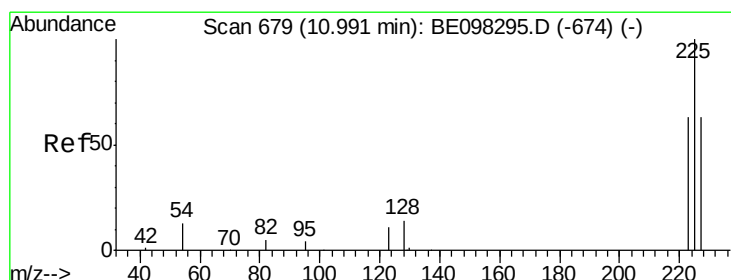
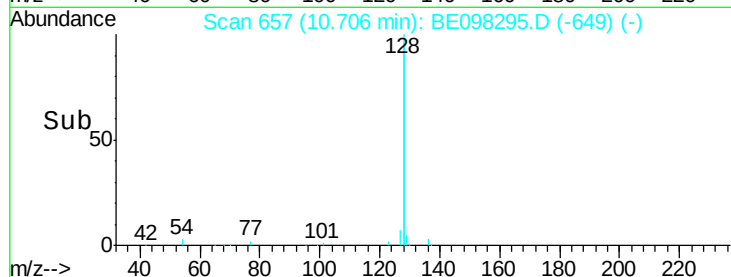
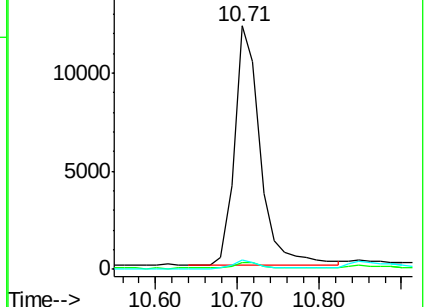
127 3.8 2.7 4.1



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: 0.386 ng

RT: 10.99 min Scan# 679

Delta R.T. 0.00 min

Lab File: BE098295.D

Acq: 10 Dec 2018 12:27

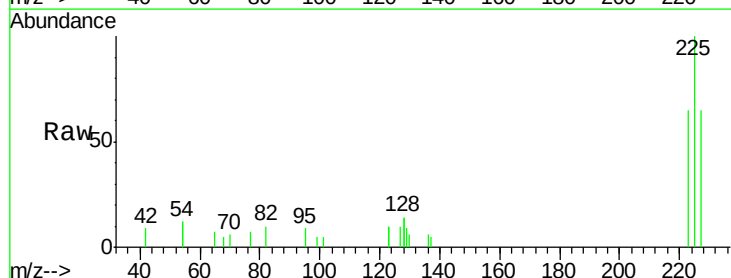
Tgt Ion:225 Resp: 1675

Ion Ratio Lower Upper

225 100

223 63.0 49.4 74.0

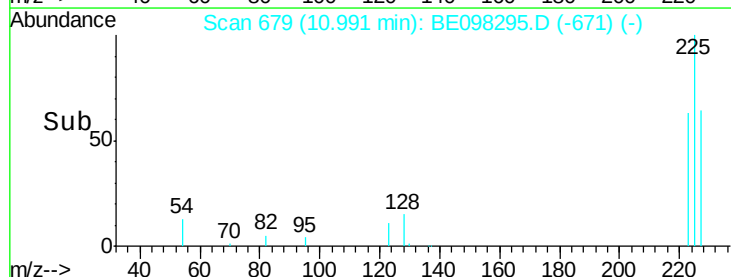
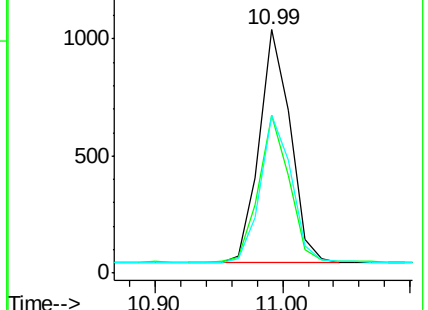
227 64.7 52.0 78.0

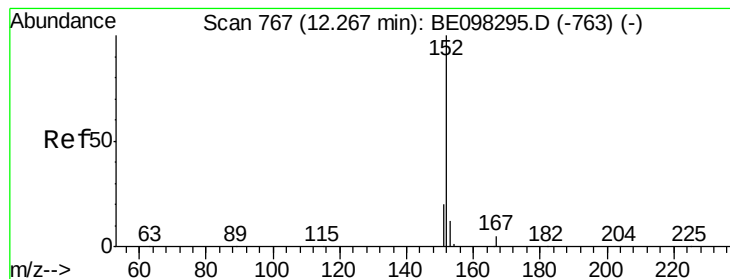


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.395 ng

RT: 12.27 min Scan# 767

Delta R.T. 0.00 min

Lab File: BE098295.D

Acq: 10 Dec 2018 12:27

Instrument :

BNA\_E

ClientSampleId :

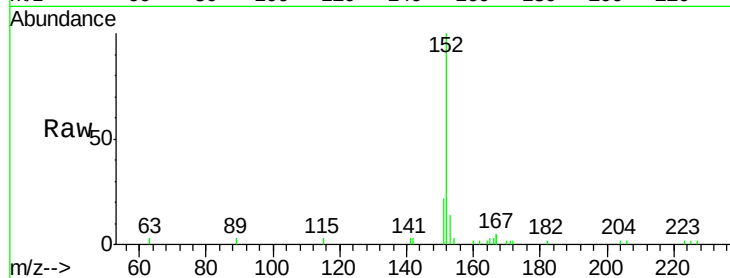
SSTDICCC0.4

Tgt Ion:152 Resp: 4320

Ion Ratio Lower Upper

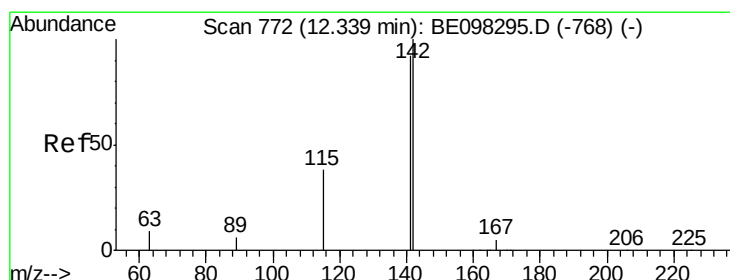
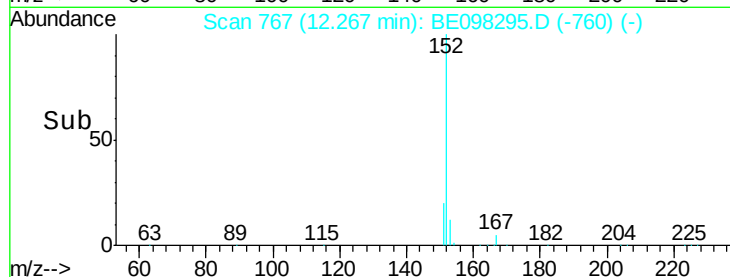
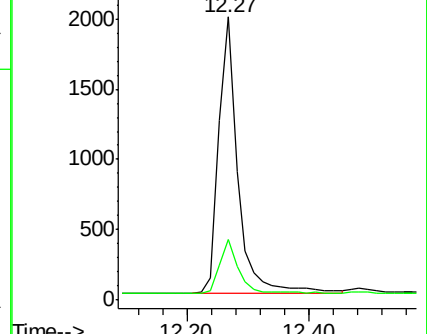
152 100

151 20.9 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: 0.383 ng

RT: 12.34 min Scan# 772

Delta R.T. 0.00 min

Lab File: BE098295.D

Acq: 10 Dec 2018 12:27

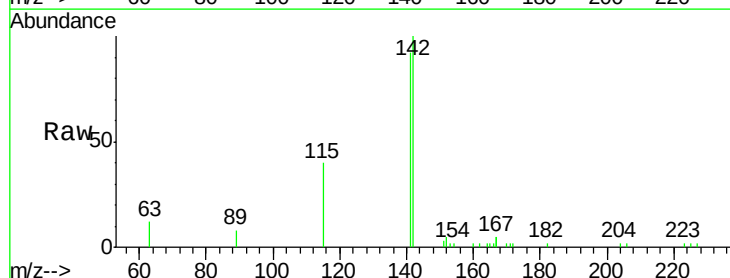
Tgt Ion:142 Resp: 4303

Ion Ratio Lower Upper

142 100

141 92.3 71.0 106.6

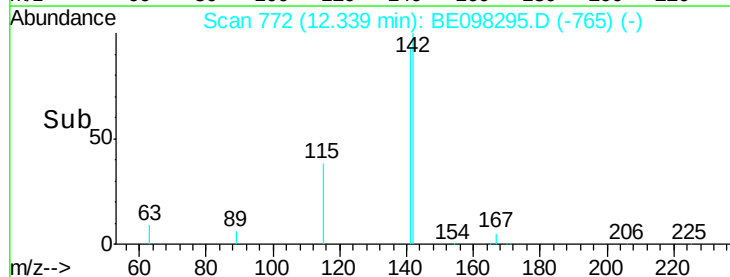
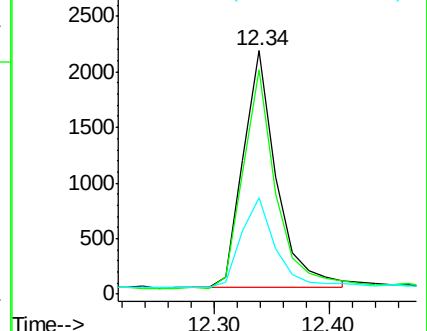
115 39.5 32.2 48.2



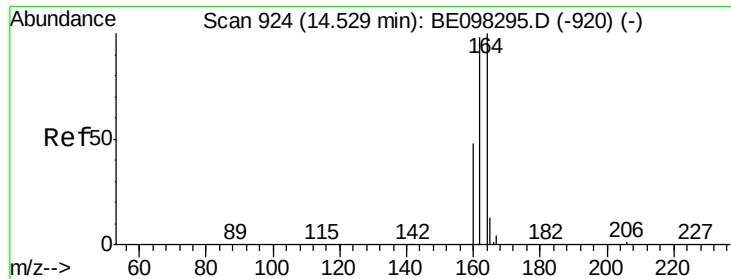
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



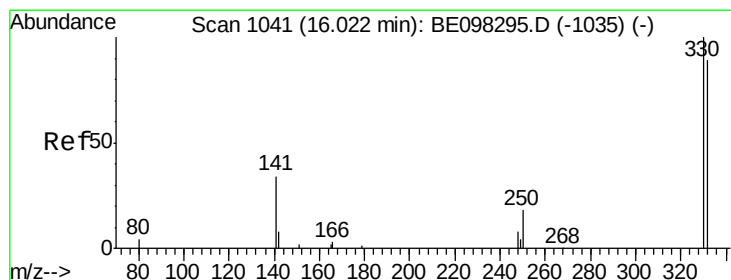
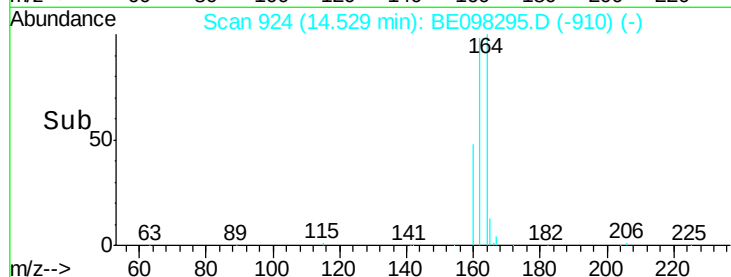
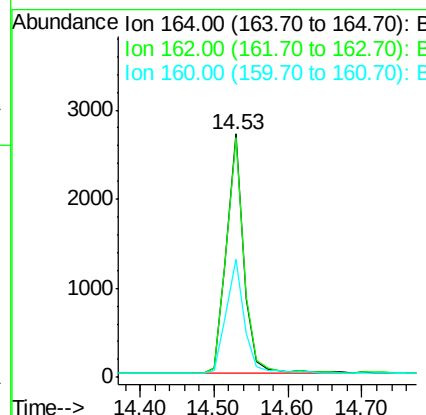
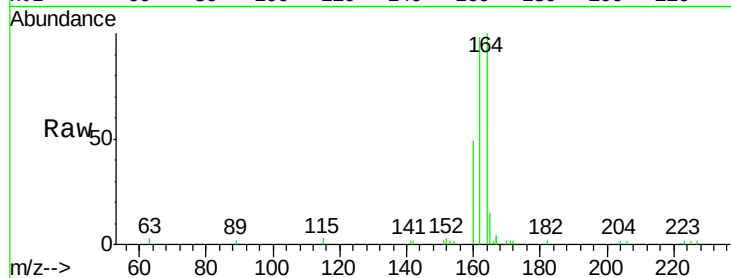




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.53 min Scan# 924  
Delta R.T. 0.00 min  
Lab File: BE098295.D  
Acq: 10 Dec 2018 12:27

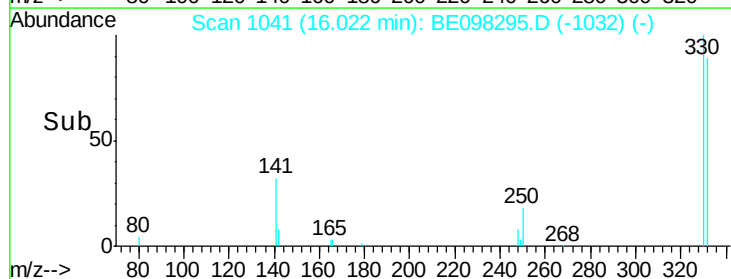
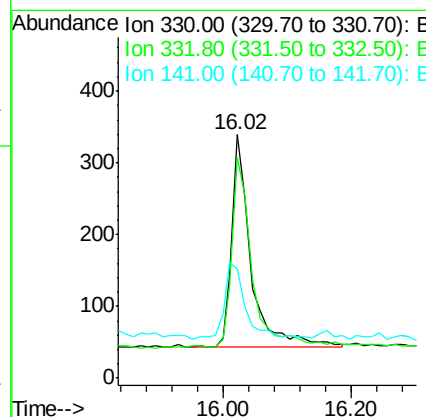
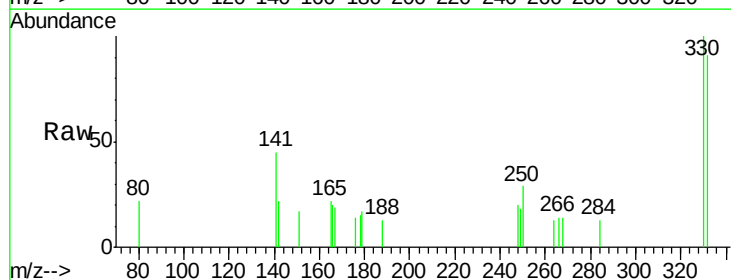
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICCC0.4

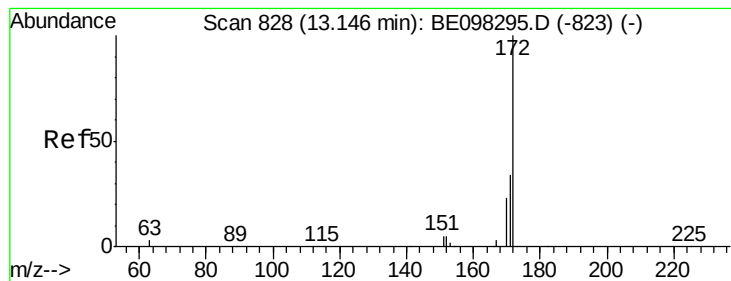
Tgt Ion:164 Resp: 4370  
Ion Ratio Lower Upper  
164 100  
162 98.3 77.6 116.4  
160 48.6 36.0 54.0



#14  
2,4,6-Tribromophenol  
Concen: 0.293 ng  
RT: 16.02 min Scan# 1041  
Delta R.T. 0.00 min  
Lab File: BE098295.D  
Acq: 10 Dec 2018 12:27

Tgt Ion:330 Resp: 608  
Ion Ratio Lower Upper  
330 100  
332 100.0 76.2 114.4  
141 42.4 39.0 58.4

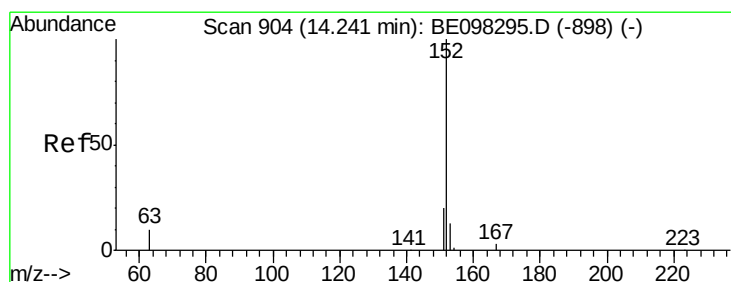
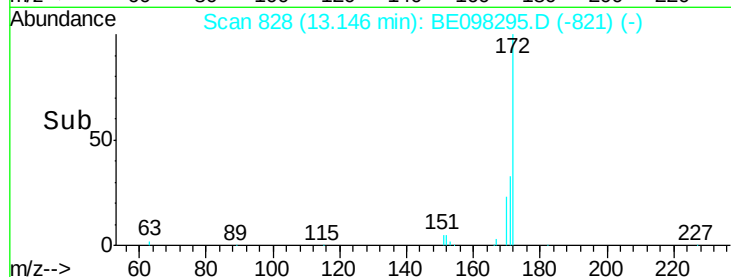
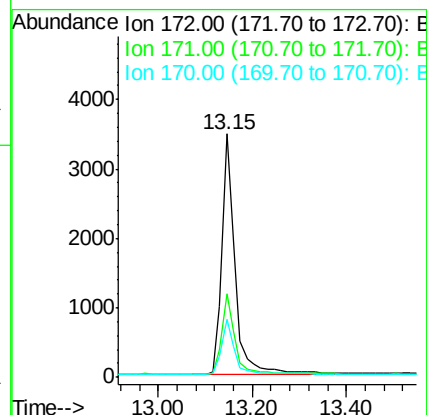
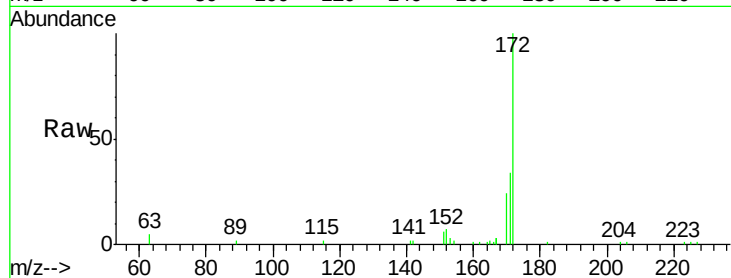




#15  
2-Fluorobiphenyl  
Concen: 0.371 ng  
RT: 13.15 min Scan# 828  
Delta R.T. 0.00 min  
Lab File: BE098295.D  
Acq: 10 Dec 2018 12:27

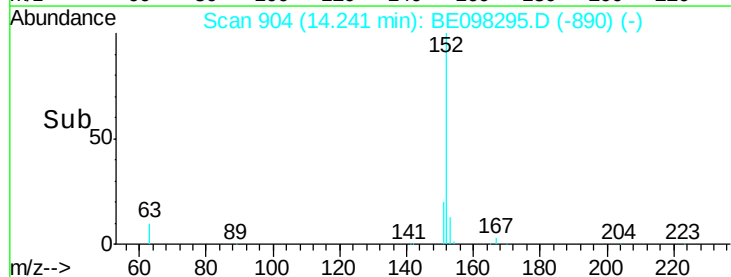
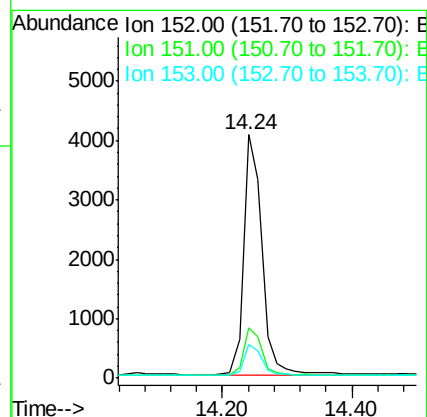
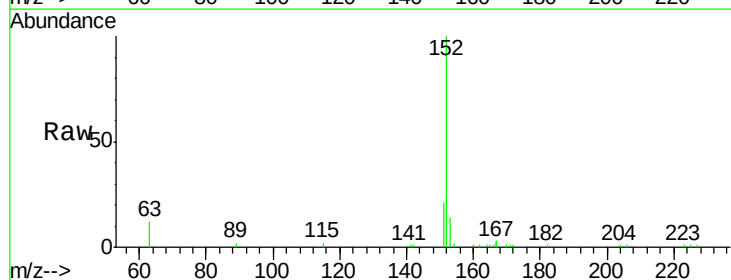
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICCC0.4

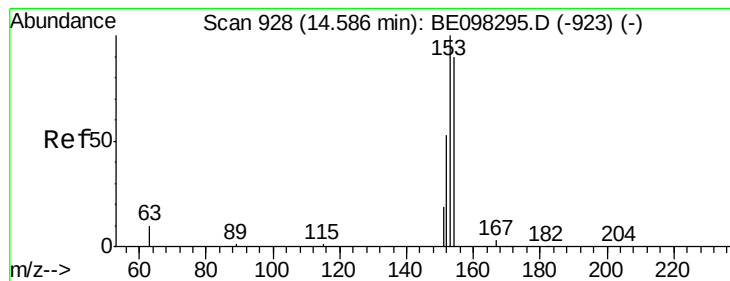
Tgt Ion:172 Resp: 6712  
Ion Ratio Lower Upper  
172 100  
171 34.4 27.5 41.3  
170 23.8 19.6 29.4



#16  
Acenaphthylene  
Concen: 0.388 ng  
RT: 14.24 min Scan# 904  
Delta R.T. 0.00 min  
Lab File: BE098295.D  
Acq: 10 Dec 2018 12:27

Tgt Ion:152 Resp: 7915  
Ion Ratio Lower Upper  
152 100  
151 19.8 15.5 23.3  
153 13.0 10.6 16.0





#17

Acenaphthene

Concen: 0.401 ng

RT: 14.59 min Scan# 928

Delta R.T. 0.00 min

Lab File: BE098295.D

Acq: 10 Dec 2018 12:27

Instrument :

BNA\_E

ClientSampleId :

SSTDICCC0.4

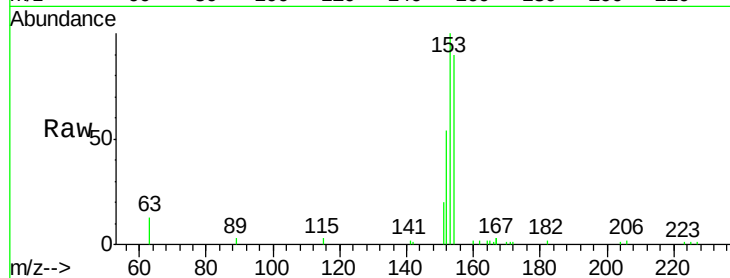
Tgt Ion:154 Resp: 4878

Ion Ratio Lower Upper

154 100

153 111.3 91.8 137.6

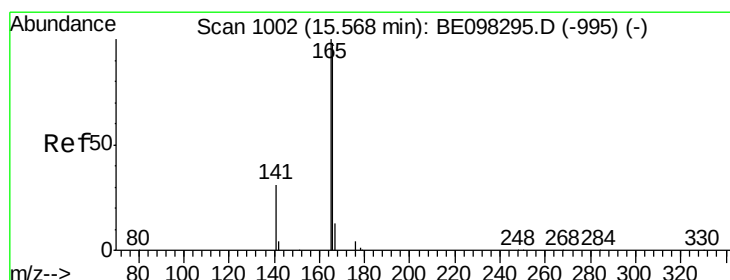
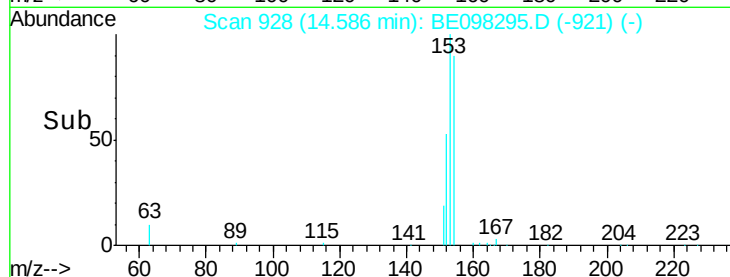
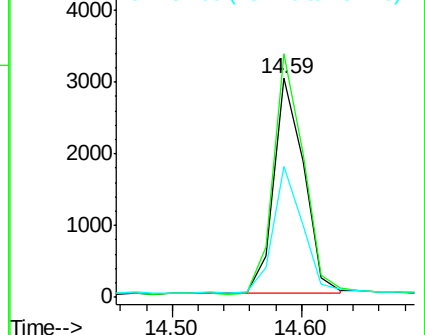
152 57.6 45.5 68.3



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: 0.406 ng

RT: 15.57 min Scan# 1002

Delta R.T. 0.00 min

Lab File: BE098295.D

Acq: 10 Dec 2018 12:27

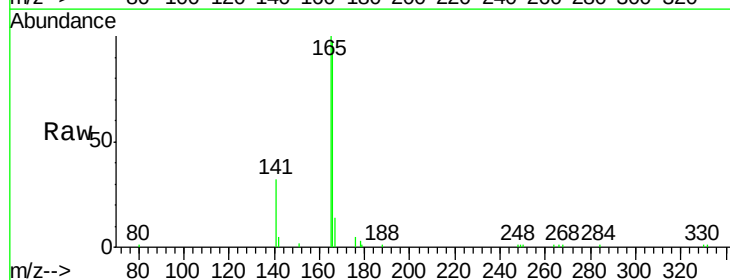
Tgt Ion:166 Resp: 6542

Ion Ratio Lower Upper

166 100

165 100.5 79.3 118.9

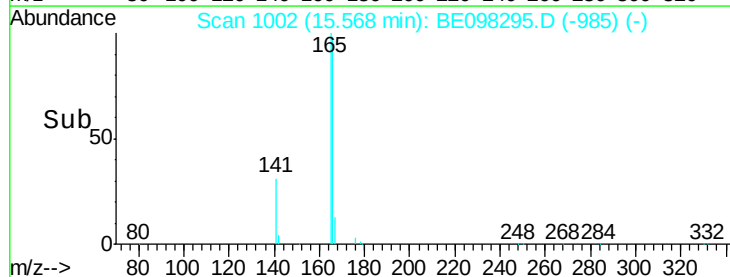
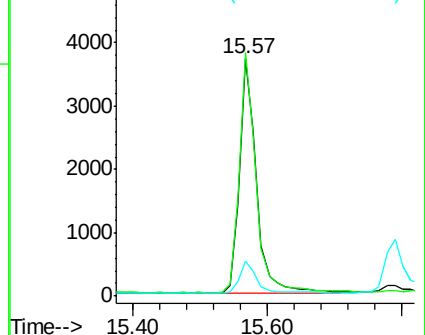
167 13.2 11.3 16.9

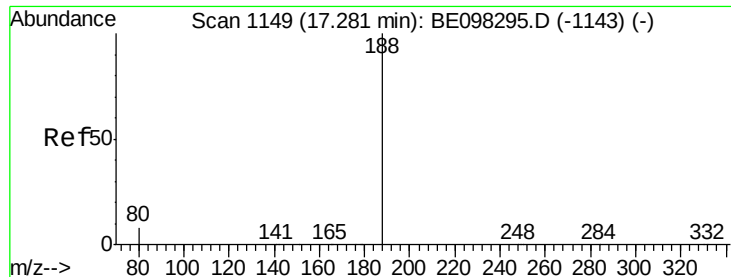


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE098295.D

Acq: 10 Dec 2018 12:27

Instrument :

BNA\_E

ClientSampleId :

SSTDICCC0.4

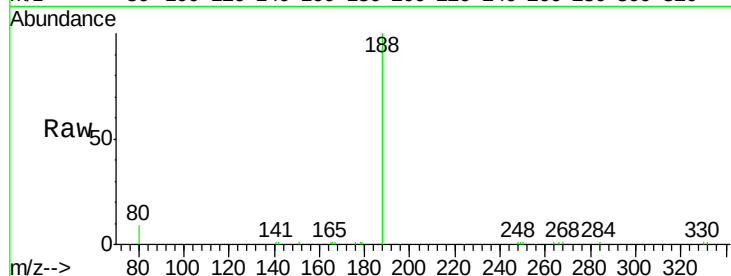
Tgt Ion:188 Resp: 12249

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

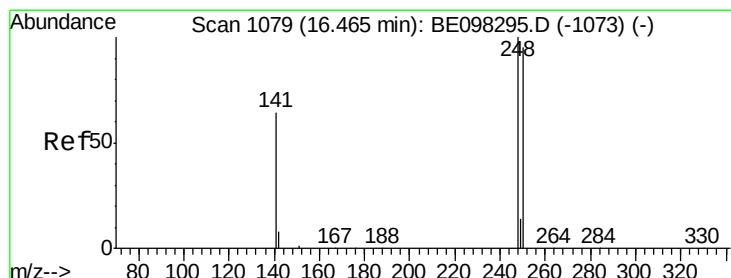
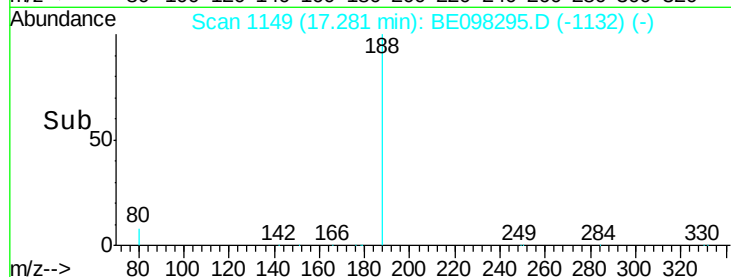
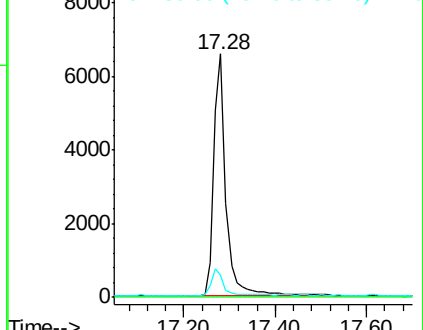
80 8.9 7.2 10.8



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: 0.365 ng

RT: 16.47 min Scan# 1079

Delta R.T. 0.00 min

Lab File: BE098295.D

Acq: 10 Dec 2018 12:27

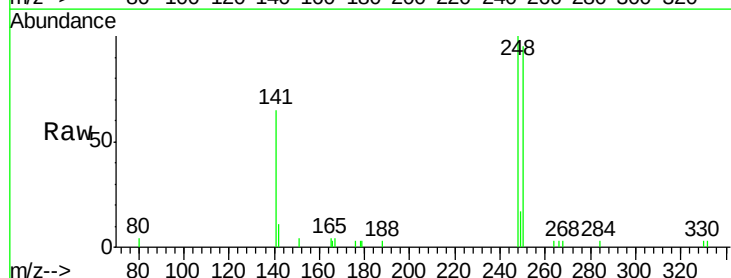
Tgt Ion:248 Resp: 2530

Ion Ratio Lower Upper

248 100

250 95.0 71.0 106.6

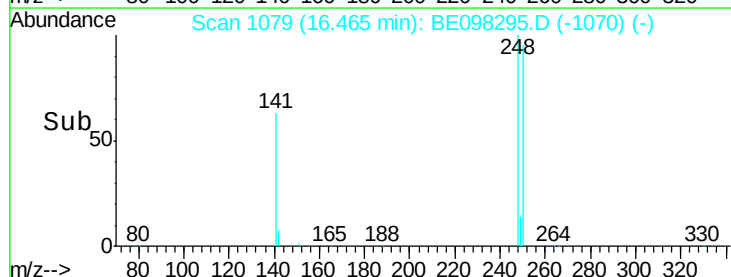
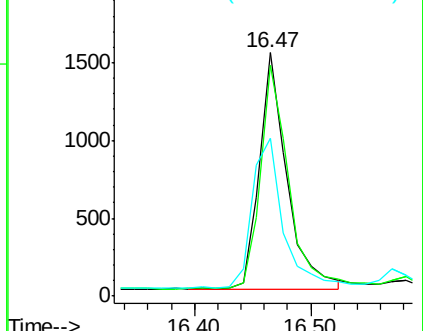
141 65.0 62.1 93.1

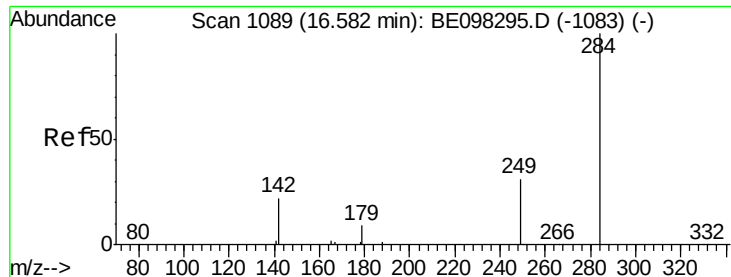


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

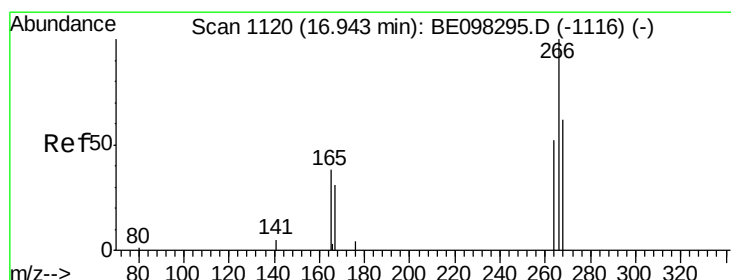
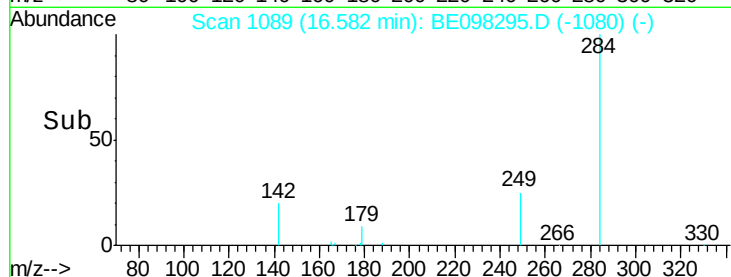
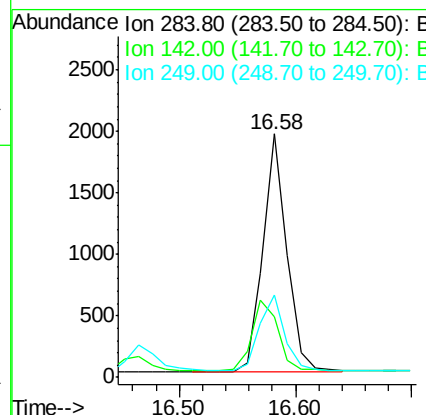
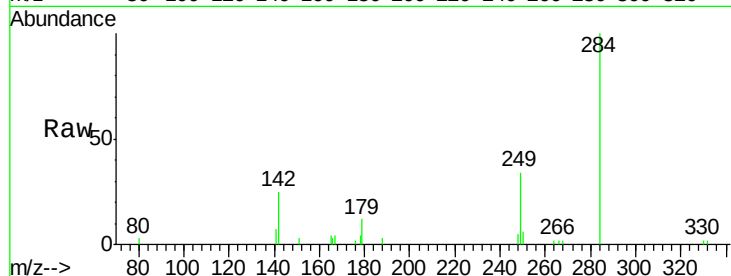




#21  
Hexachlorobenzene  
Concen: 0.388 ng  
RT: 16.58 min Scan# 1089  
Delta R.T. 0.00 min  
Lab File: BE098295.D  
Acq: 10 Dec 2018 12:27

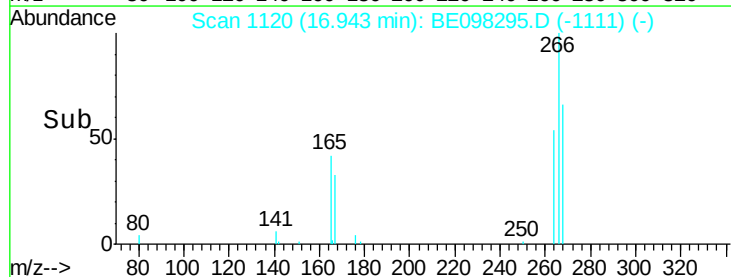
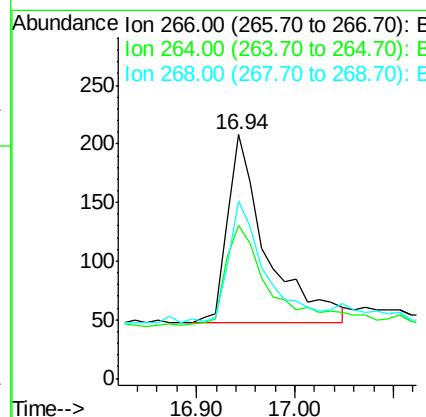
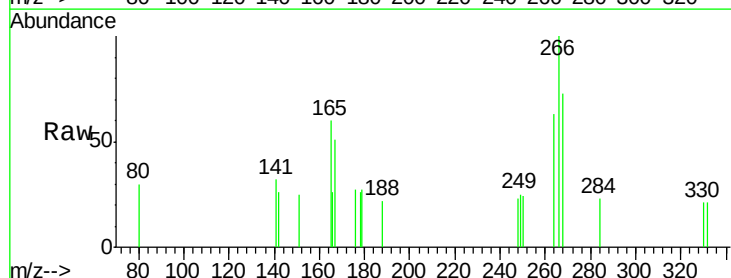
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICCC0.4

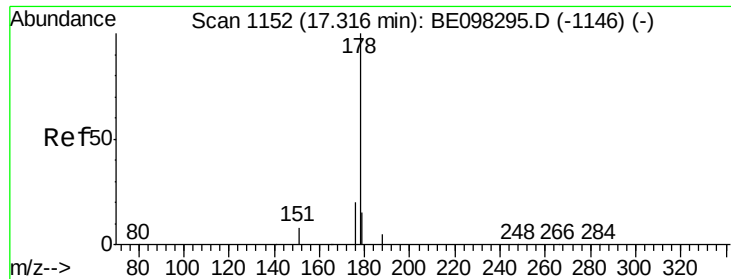
Tgt Ion:284 Resp: 2781  
Ion Ratio Lower Upper  
284 100  
142 32.8 26.3 39.5  
249 33.3 26.0 39.0



#22  
Pentachlorophenol  
Concen: 0.191 ng  
RT: 16.94 min Scan# 1120  
Delta R.T. 0.00 min  
Lab File: BE098295.D  
Acq: 10 Dec 2018 12:27

Tgt Ion:266 Resp: 445  
Ion Ratio Lower Upper  
266 100  
264 62.5 59.0 88.4  
268 72.6 55.1 82.7





#23

Phenanthrene

Concen: 0.386 ng

RT: 17.32 min Scan# 1152

Delta R.T. 0.00 min

Lab File: BE098295.D

Acq: 10 Dec 2018 12:27

Instrument :

BNA\_E

ClientSampleId :

SSTDICCC0.4

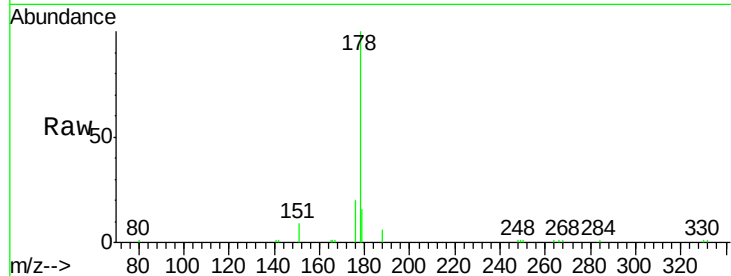
Tgt Ion:178 Resp: 11739

Ion Ratio Lower Upper

178 100

176 19.6 15.9 23.9

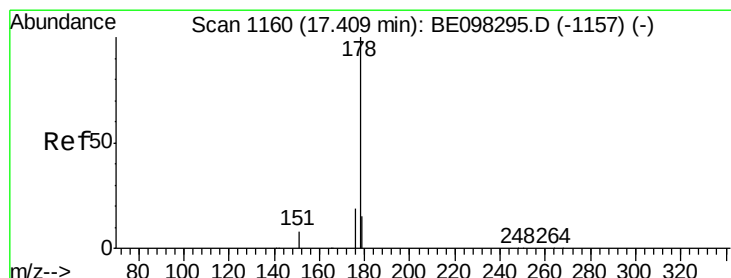
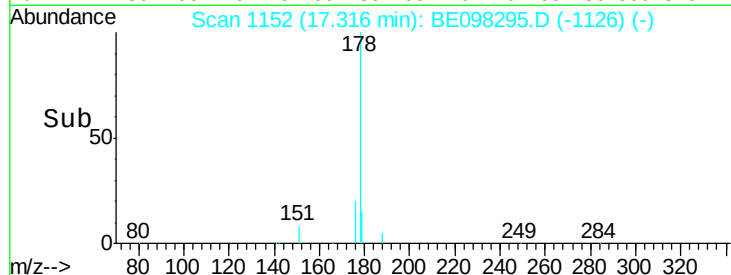
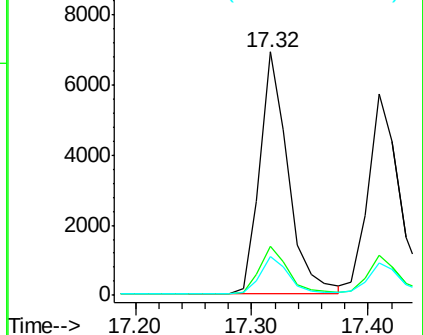
179 15.3 12.3 18.5



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: 0.370 ng

RT: 17.41 min Scan# 1160

Delta R.T. 0.00 min

Lab File: BE098295.D

Acq: 10 Dec 2018 12:27

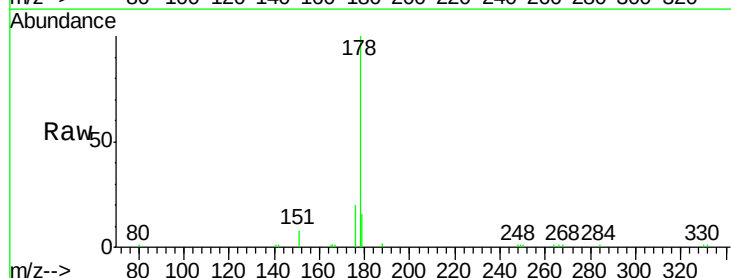
Tgt Ion:178 Resp: 10490

Ion Ratio Lower Upper

178 100

176 18.2 15.0 22.4

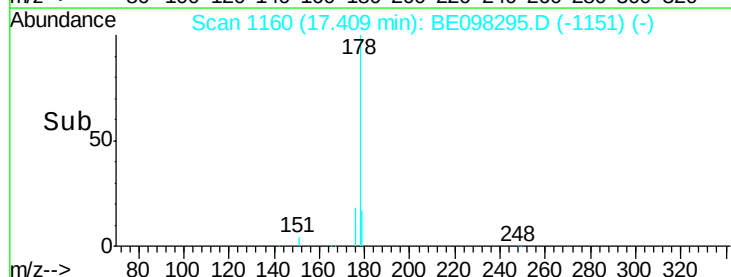
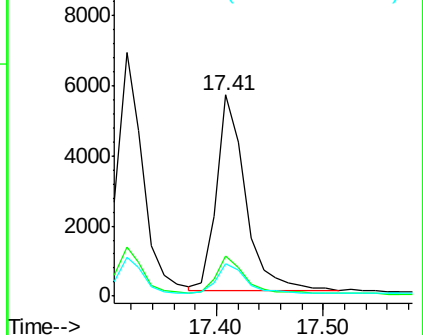
179 14.9 12.3 18.5

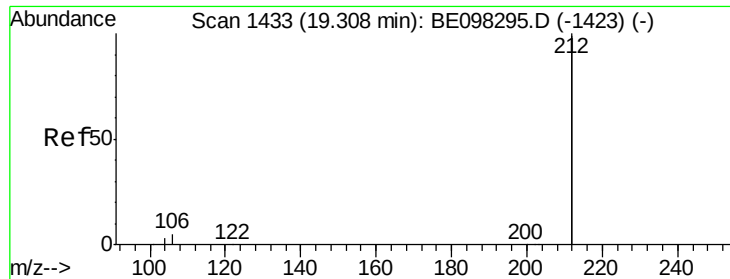


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

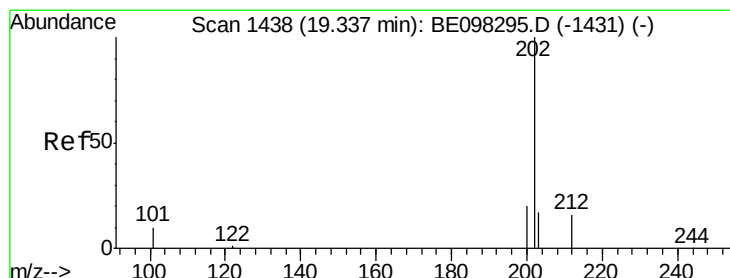
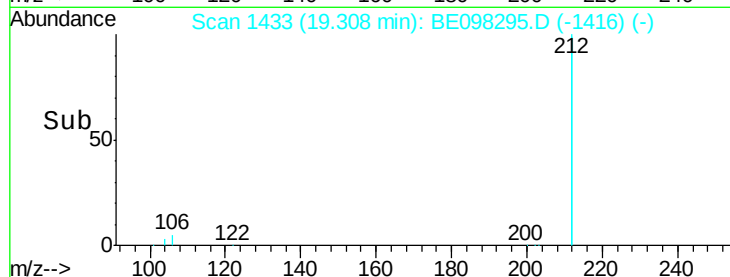
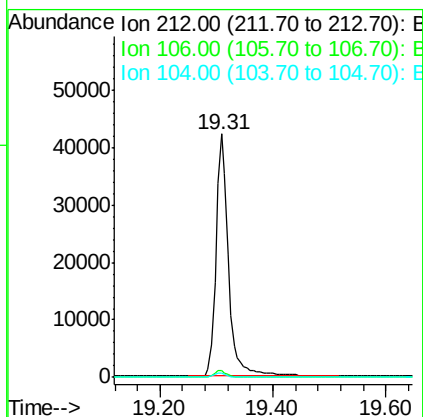
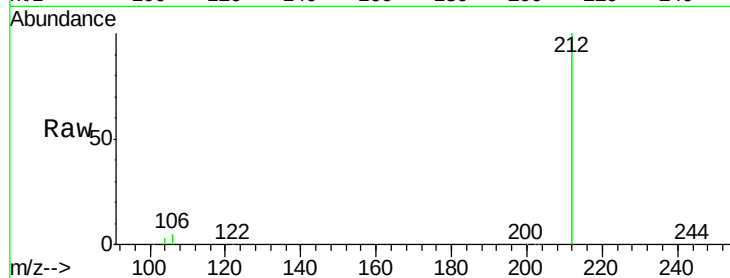




#25  
 Fluoranthene-d10  
 Concen: 0.395 ng  
 RT: 19.31 min Scan# 1433  
 Delta R.T. 0.00 min  
 Lab File: BE098295.D  
 Acq: 10 Dec 2018 12:27

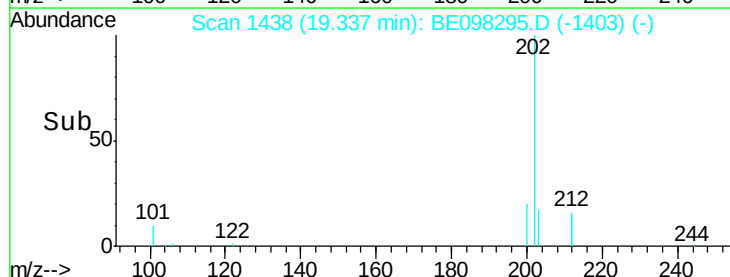
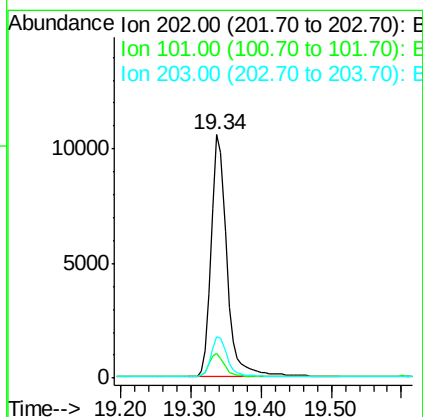
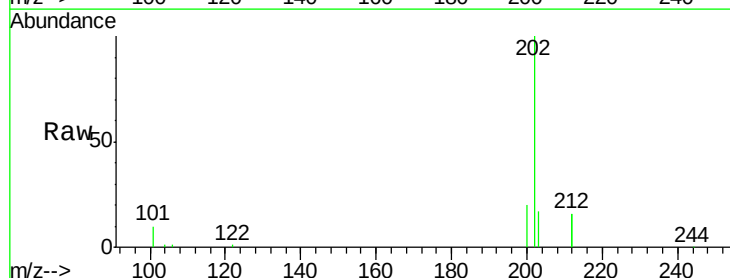
Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC0.4

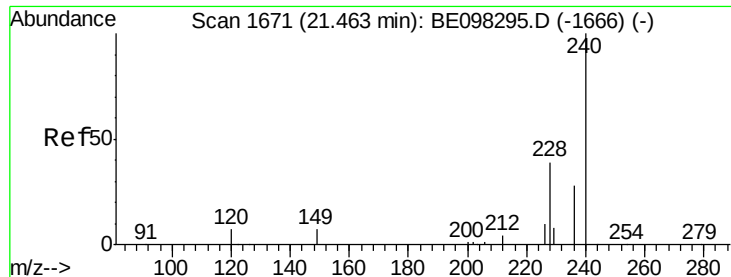
Tgt Ion: 212 Resp: 65317  
 Ion Ratio Lower Upper  
 212 100  
 106 2.6 2.2 3.2  
 104 1.6 1.3 1.9



#26  
 Fluoranthene  
 Concen: 0.396 ng  
 RT: 19.34 min Scan# 1438  
 Delta R.T. 0.00 min  
 Lab File: BE098295.D  
 Acq: 10 Dec 2018 12:27

Tgt Ion: 202 Resp: 16434  
 Ion Ratio Lower Upper  
 202 100  
 101 9.8 8.0 12.0  
 203 16.8 13.8 20.6





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.46 min Scan# 1671

Delta R.T. 0.00 min

Lab File: BE098295.D

Acq: 10 Dec 2018 12:27

Instrument :

BNA\_E

ClientSampleId :

SSTDICCC0.4

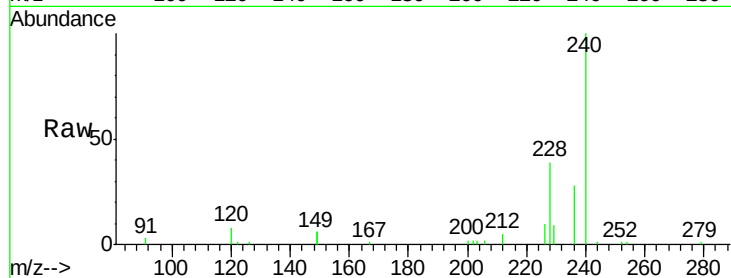
Tgt Ion:240 Resp: 12959

Ion Ratio Lower Upper

240 100

120 7.9 9.5 14.3#

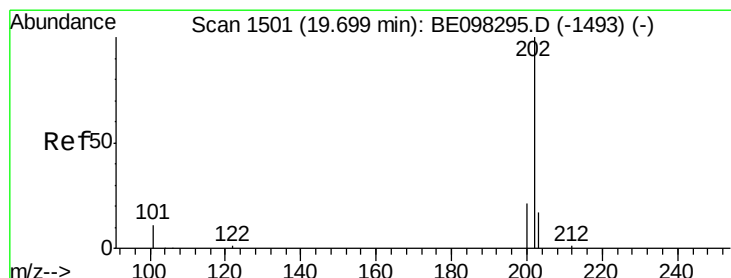
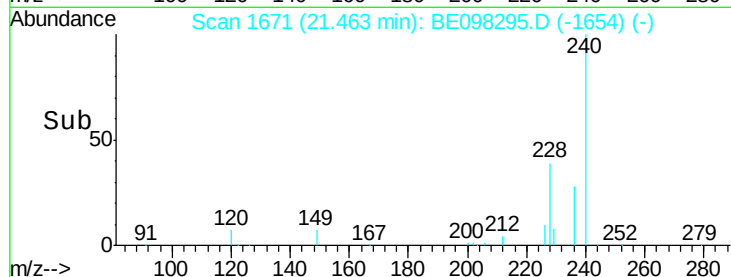
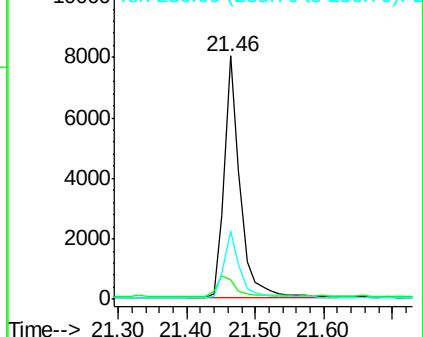
236 28.2 22.7 34.1



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: 0.464 ng

RT: 19.70 min Scan# 1501

Delta R.T. 0.00 min

Lab File: BE098295.D

Acq: 10 Dec 2018 12:27

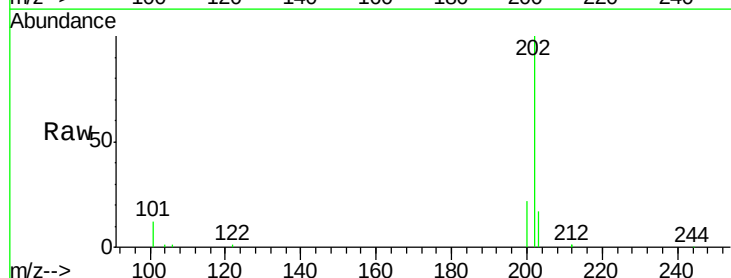
Tgt Ion:202 Resp: 16653

Ion Ratio Lower Upper

202 100

200 20.9 16.7 25.1

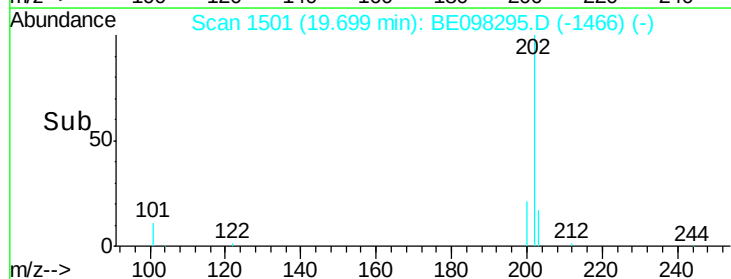
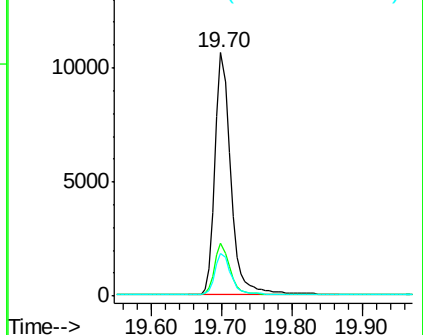
203 17.5 14.1 21.1



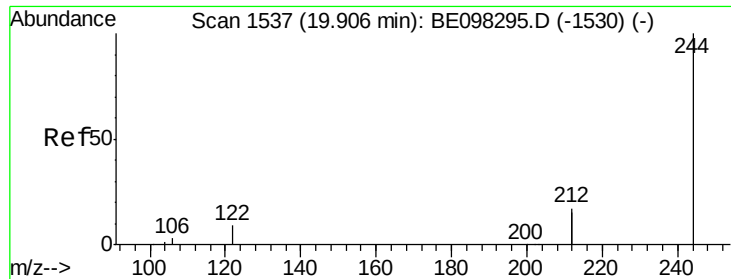
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E







#29

Terphenyl-d14

Concen: 0.428 ng

RT: 19.91 min Scan# 1537

Delta R.T. 0.00 min

Lab File: BE098295.D

Acq: 10 Dec 2018 12:27

Instrument :

BNA\_E

ClientSampleId :

SSTDICCC0.4

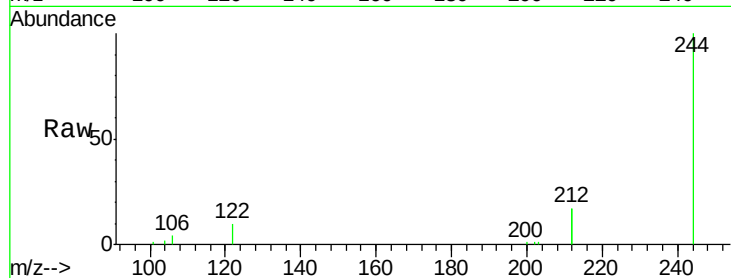
Tgt Ion:244 Resp: 12484

Ion Ratio Lower Upper

244 100

212 34.5 27.4 41.0

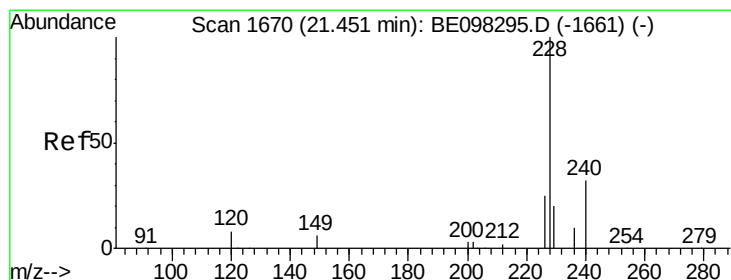
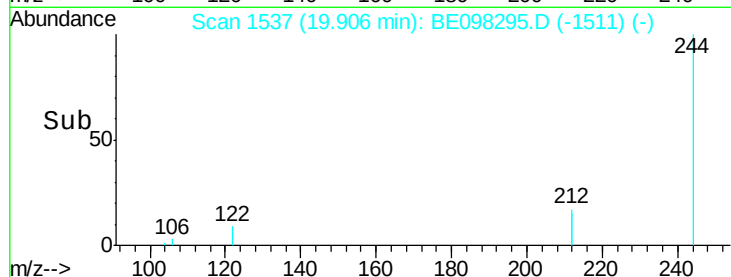
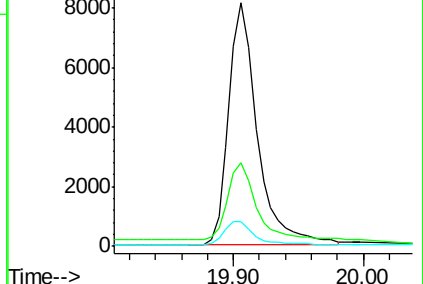
122 9.9 8.3 12.5



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: 0.378 ng

RT: 21.45 min Scan# 1670

Delta R.T. 0.00 min

Lab File: BE098295.D

Acq: 10 Dec 2018 12:27

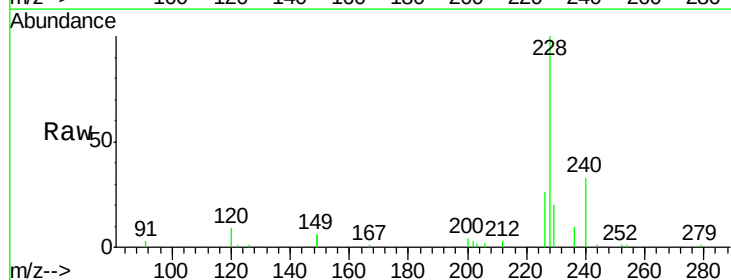
Tgt Ion:228 Resp: 14432

Ion Ratio Lower Upper

228 100

226 26.0 21.8 32.8

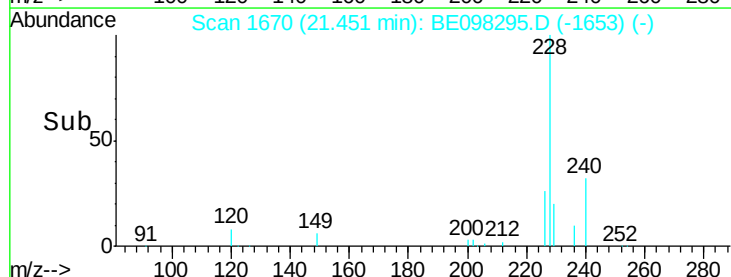
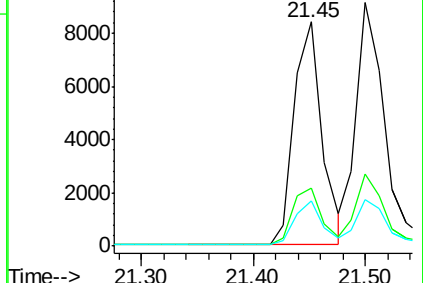
229 20.3 16.3 24.5

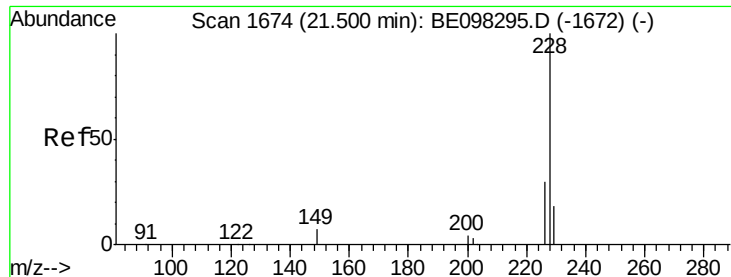


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.396 ng

RT: 21.50 min Scan# 1674

Delta R.T. 0.00 min

Lab File: BE098295.D

Acq: 10 Dec 2018 12:27

Instrument :

BNA\_E

ClientSampleId :

SSTDICCC0.4

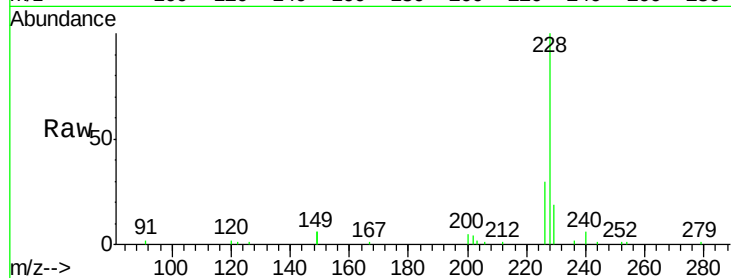
Tgt Ion:228 Resp: 15332

Ion Ratio Lower Upper

228 100

226 29.6 23.4 35.0

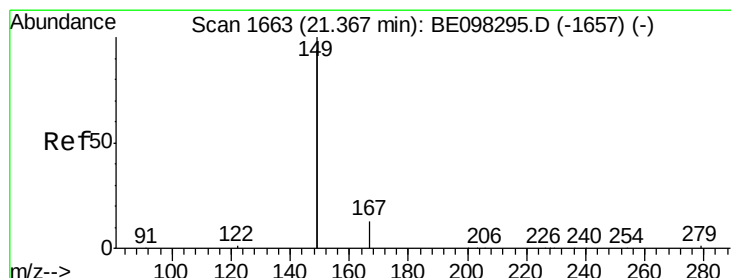
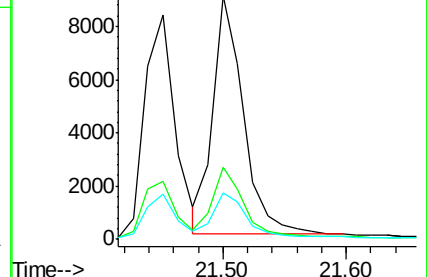
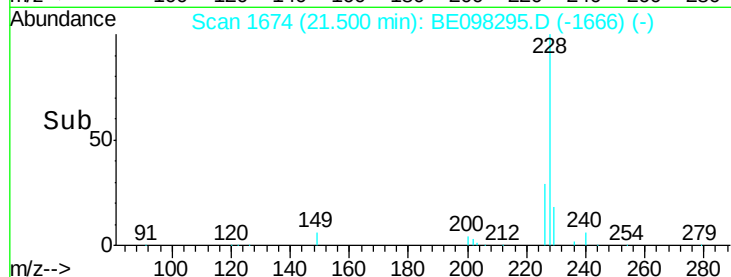
229 18.9 16.2 24.4



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: 0.326 ng

RT: 21.37 min Scan# 1663

Delta R.T. 0.00 min

Lab File: BE098295.D

Acq: 10 Dec 2018 12:27

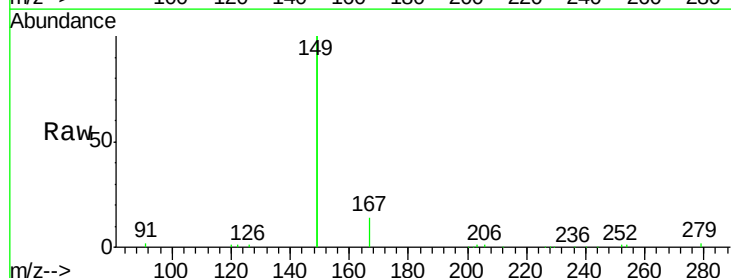
Tgt Ion:149 Resp: 29818

Ion Ratio Lower Upper

149 100

167 7.0 5.7 8.5

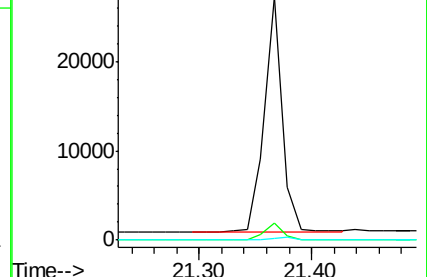
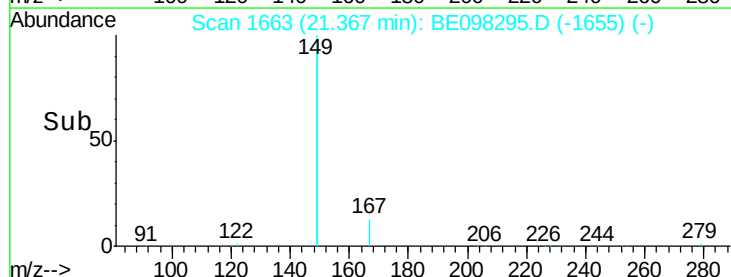
279 1.0 1.0 1.4

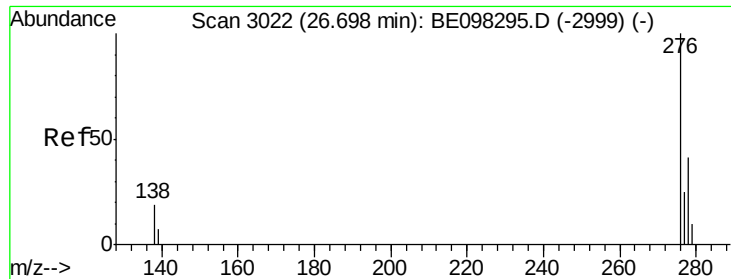


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.372 ng

RT: 26.70 min Scan# 3022

Delta R.T. 0.00 min

Lab File: BE098295.D

Acq: 10 Dec 2018 12:27

Instrument :

BNA\_E

ClientSampleId :

SSTDICCC0.4

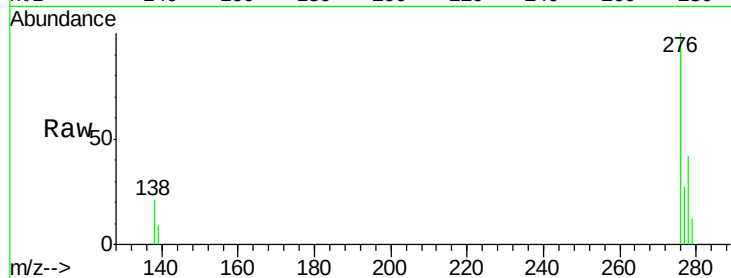
Tgt Ion:276 Resp: 14580

Ion Ratio Lower Upper

276 100

138 21.0 16.3 24.5

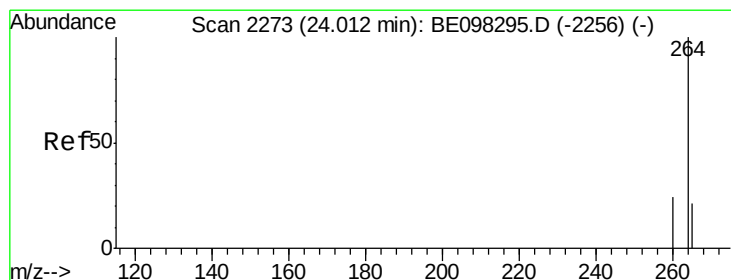
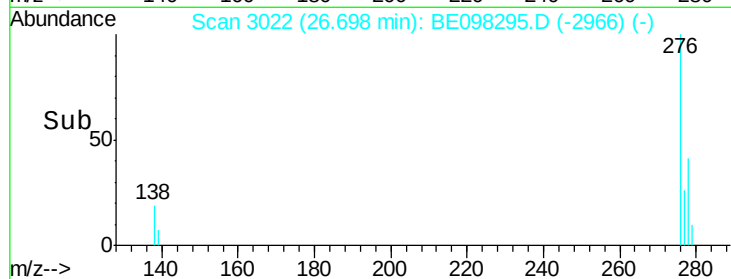
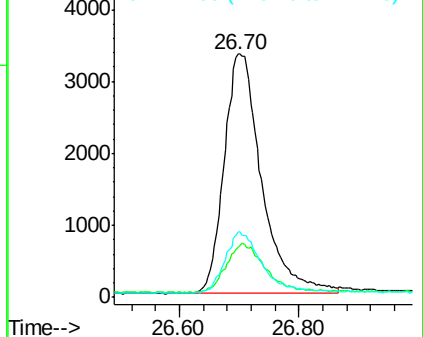
277 24.5 20.2 30.4



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: 24.01 min Scan# 2273

Delta R.T. 0.00 min

Lab File: BE098295.D

Acq: 10 Dec 2018 12:27

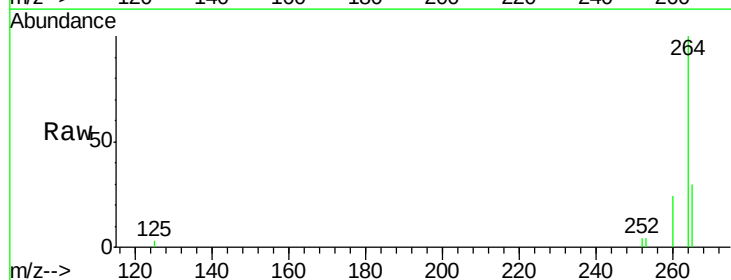
Tgt Ion:264 Resp: 11741

Ion Ratio Lower Upper

264 100

260 24.5 20.2 30.2

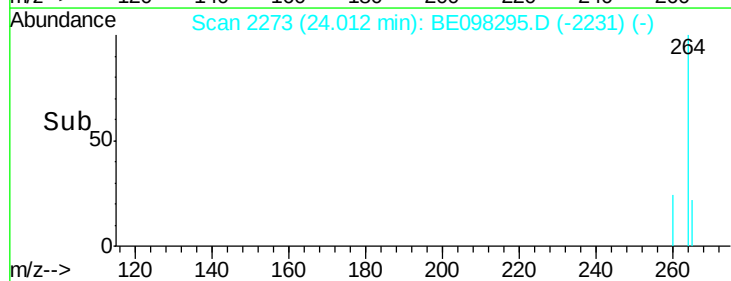
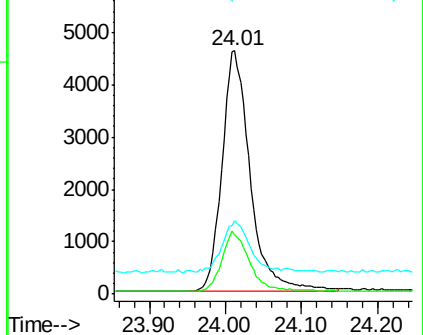
265 30.3 25.2 37.8

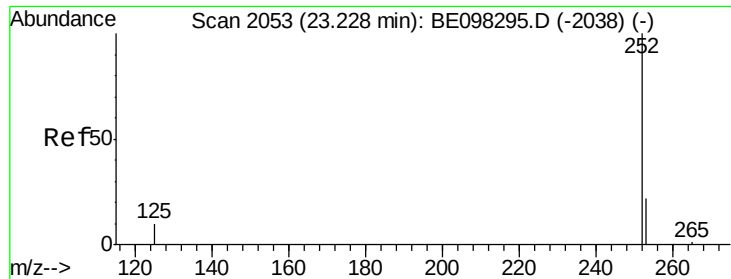


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.362 ng

RT: 23.23 min Scan# 2053

Delta R.T. 0.00 min

Lab File: BE098295.D

Acq: 10 Dec 2018 12:27

Instrument :

BNA\_E

ClientSampleId :

SSTDICCC0.4

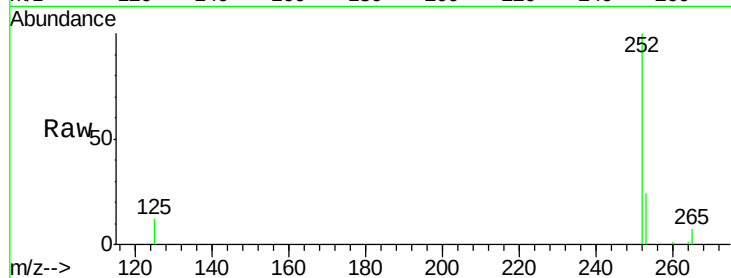
Tgt Ion:252 Resp: 12449

Ion Ratio Lower Upper

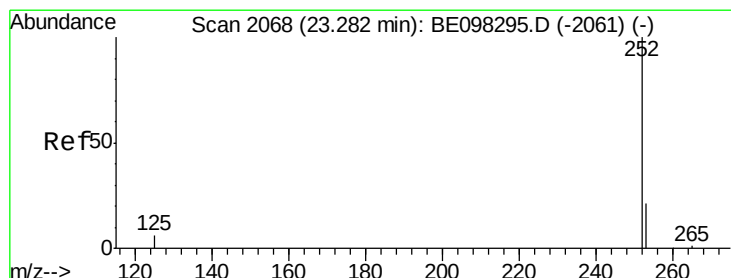
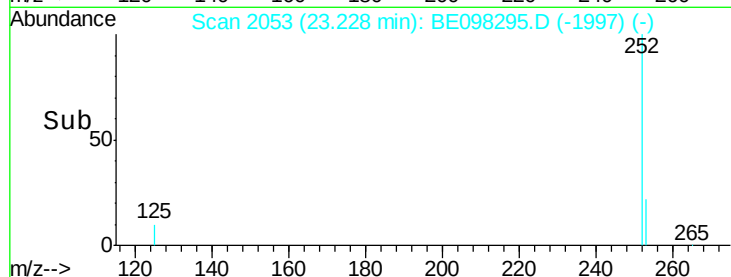
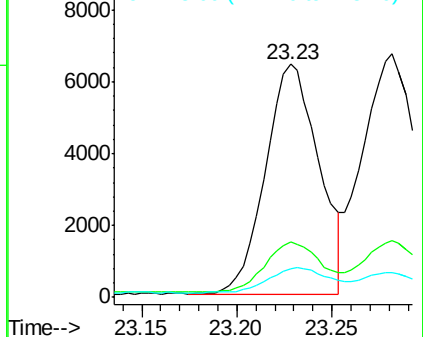
252 100

253 23.9 20.0 30.0

125 12.0 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: 0.397 ng

RT: 23.28 min Scan# 2068

Delta R.T. 0.00 min

Lab File: BE098295.D

Acq: 10 Dec 2018 12:27

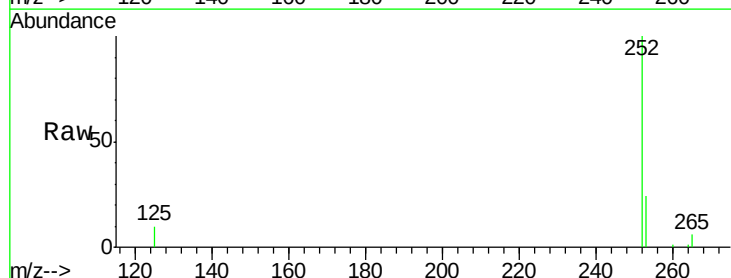
Tgt Ion:252 Resp: 14352

Ion Ratio Lower Upper

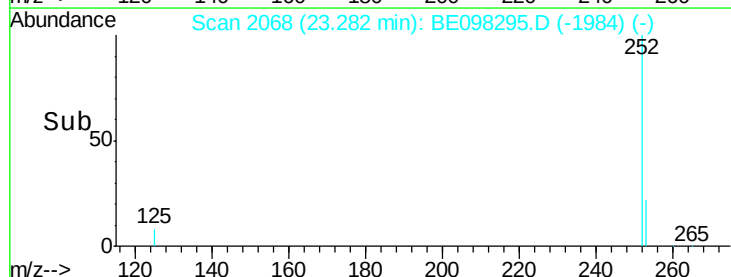
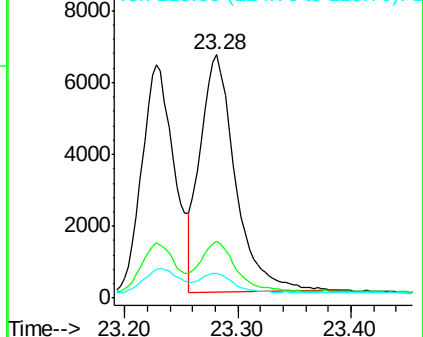
252 100

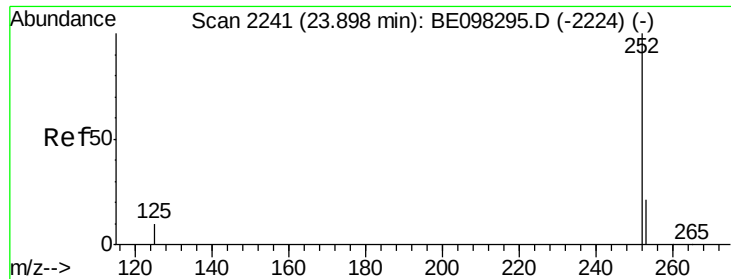
253 23.5 19.0 28.6

125 10.3 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: 0.392 ng

RT: 23.90 min Scan# 2241

Delta R.T. 0.00 min

Lab File: BE098295.D

Acq: 10 Dec 2018 12:27

Instrument :

BNA\_E

ClientSampleId :

SSTDICCC0.4

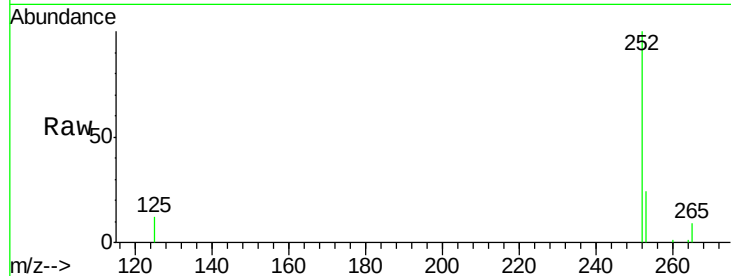
Tgt Ion:252 Resp: 12988

Ion Ratio Lower Upper

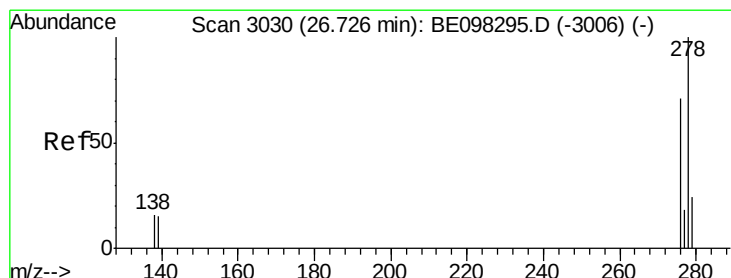
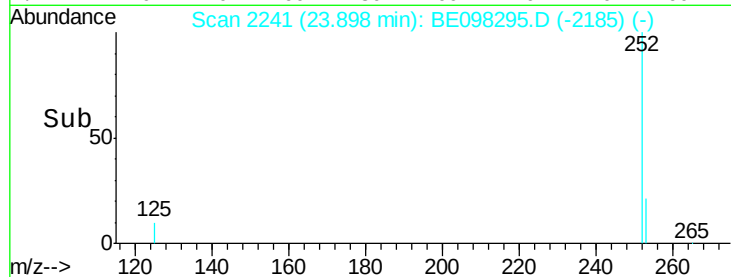
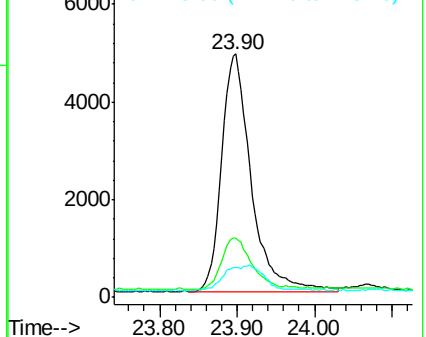
252 100

253 24.2 20.6 30.8

125 12.3 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: 0.386 ng

RT: 26.73 min Scan# 3030

Delta R.T. 0.00 min

Lab File: BE098295.D

Acq: 10 Dec 2018 12:27

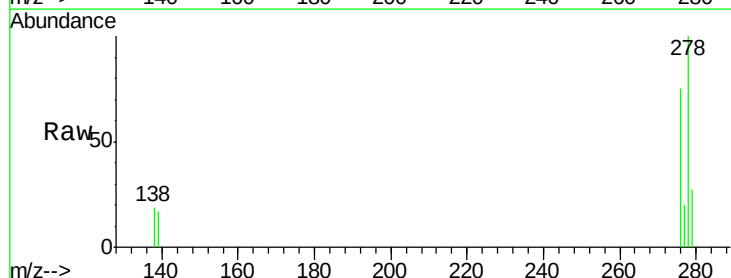
Tgt Ion:278 Resp: 12137

Ion Ratio Lower Upper

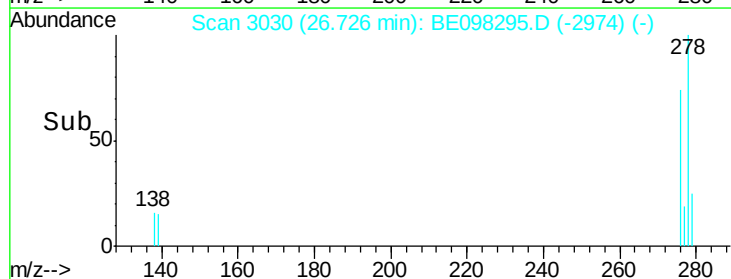
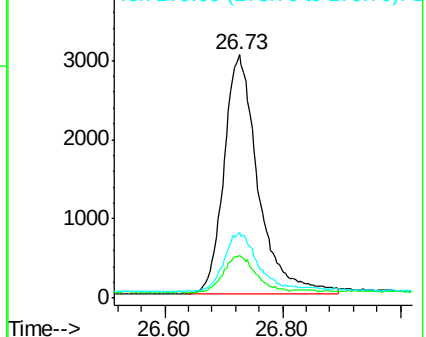
278 100

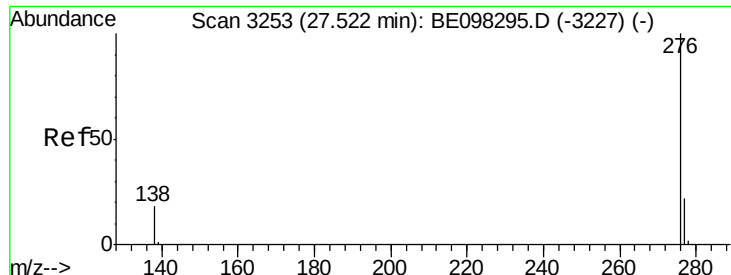
139 17.4 14.5 21.7

279 27.1 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: 0.387 ng

RT: 27.52 min Scan# 3253

Delta R.T. 0.00 min

Lab File: BE098295.D

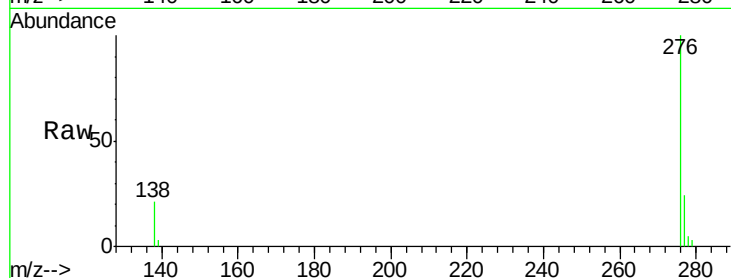
Acq: 10 Dec 2018 12:27

Instrument :

BNA\_E

ClientSampleId :

SSTDICCC0.4



Tgt Ion: 276 Resp: 12202

Ion Ratio Lower Upper

276 100

277 23.8 20.8 31.2

138 20.5 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

