

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_E\DATA\BE102919\  
 Data File : BE100694.D  
 Acq On : 29 Oct 2019 14:26  
 Operator : JU  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4

Quant Time: Nov 07 03:08:13 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE101019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 23 16:49:33 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.85  | 152  | 4269     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.63 | 136  | 18615    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.47 | 164  | 11879    | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.19 | 188  | 28895    | 0.40 | ng    | -0.01    |
| 27) Chrysene-d12          | 21.35 | 240  | 34548    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.82 | 264  | 40927    | 0.40 | ng    | -0.01    |

|                             |       |     |        |      |    |      |
|-----------------------------|-------|-----|--------|------|----|------|
| System Monitoring Compounds |       |     |        |      |    |      |
| 4) 2-Fluorophenol           | 5.45  | 112 | 5494   | 0.42 | ng | 0.00 |
| 5) Phenol-d6                | 7.01  | 99  | 8186   | 0.44 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 8.99  | 82  | 5967   | 0.52 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.22 | 152 | 13113  | 0.45 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.94 | 330 | 1583   | 0.50 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 13.10 | 172 | 18839  | 0.44 | ng | 0.00 |
| 25) Fluoranthene-d10        | 19.21 | 212 | 162378 | 0.44 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.81 | 244 | 35444  | 0.47 | ng | 0.00 |

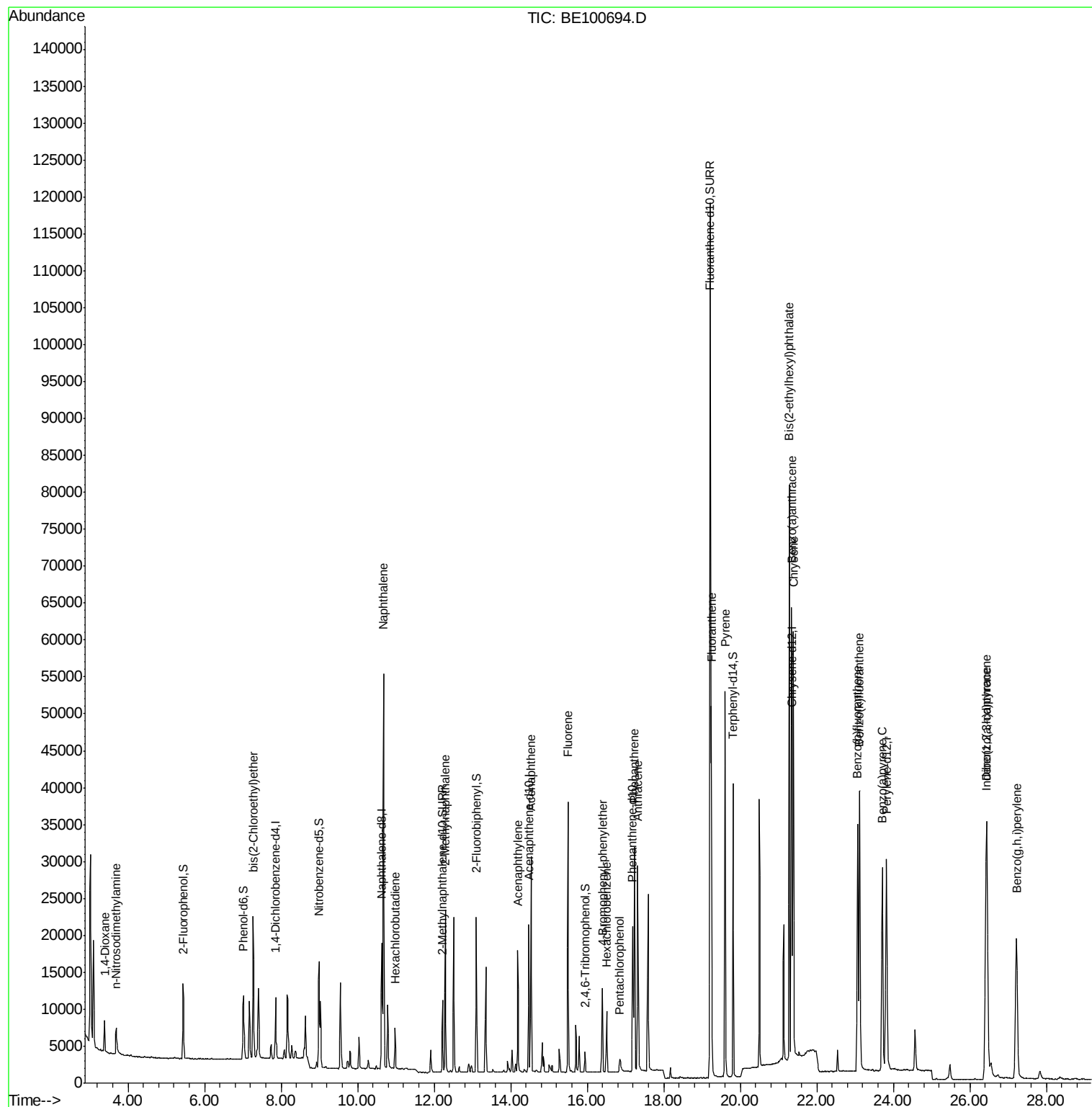
|                                |       |     |       |        |    |      |
|--------------------------------|-------|-----|-------|--------|----|------|
| Target Compounds               |       |     |       | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.38  | 88  | 3340  | 0.438  | ng | 97   |
| 3) n-Nitrosodimethylamine      | 3.68  | 42  | 3314  | 0.411  | ng | # 97 |
| 6) bis(2-Chloroethyl)ether     | 7.27  | 93  | 6939  | 0.455  | ng | 99   |
| 9) Naphthalene                 | 10.68 | 128 | 86910 | 0.444  | ng | 100  |
| 10) Hexachlorobutadiene        | 10.98 | 225 | 3874  | 0.456  | ng | 98   |
| 12) 2-Methylnaphthalene        | 12.30 | 142 | 15047 | 0.451  | ng | 99   |
| 16) Acenaphthylene             | 14.18 | 152 | 20600 | 0.403  | ng | 99   |
| 17) Acenaphthene               | 14.53 | 154 | 14238 | 0.431  | ng | 96   |
| 18) Fluorene                   | 15.50 | 166 | 19911 | 0.454  | ng | 99   |
| 20) 4-Bromophenyl-phenylether  | 16.40 | 248 | 6377  | 0.434  | ng | # 91 |
| 21) Hexachlorobenzene          | 16.50 | 284 | 6211  | 0.443  | ng | 99   |
| 22) Pentachlorophenol          | 16.85 | 266 | 1365  | 0.302  | ng | 98   |
| 23) Phenanthrene               | 17.23 | 178 | 35795 | 0.450  | ng | 99   |
| 24) Anthracene                 | 17.32 | 178 | 30583 | 0.415  | ng | 99   |
| 26) Fluoranthene               | 19.25 | 202 | 46198 | 0.445  | ng | 100  |
| 28) Pyrene                     | 19.60 | 202 | 46823 | 0.485  | ng | 100  |
| 30) Benzo(a)anthracene         | 21.34 | 228 | 48968 | 0.435  | ng | 98   |
| 31) Chrysene                   | 21.39 | 228 | 50044 | 0.444  | ng | 98   |
| 32) Bis(2-ethylhexyl)phthalate | 21.28 | 149 | 81779 | 0.347  | ng | 100  |
| 33) Indeno(1,2,3-cd)pyrene     | 26.42 | 276 | 58895 | 0.425  | ng | 100  |
| 35) Benzo(b)fluoranthene       | 23.06 | 252 | 49361 | 0.414  | ng | 98   |
| 36) Benzo(k)fluoranthene       | 23.11 | 252 | 54733 | 0.446  | ng | 98   |
| 37) Benzo(a)pyrene             | 23.71 | 252 | 45141 | 0.406  | ng | 98   |
| 38) Dibenzo(a,h)anthracene     | 26.45 | 278 | 47632 | 0.415  | ng | 99   |
| 39) Benzo(g,h,i)perylene       | 27.22 | 276 | 49674 | 0.430  | ng | 99   |

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

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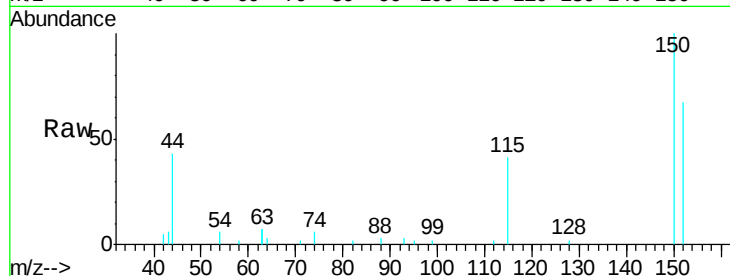


#1

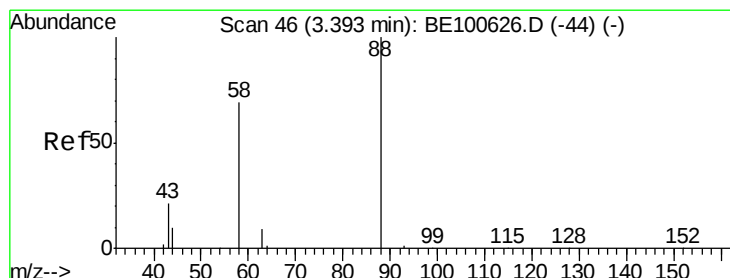
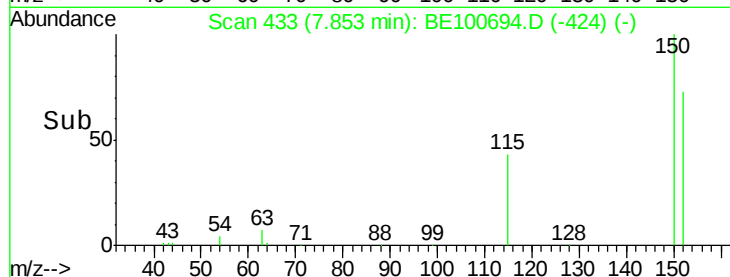
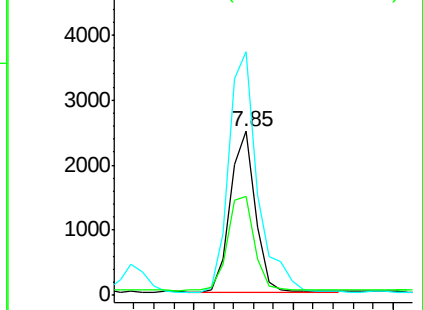
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.85 min Scan# 433  
Delta R.T. 0.00 min  
Lab File: BE100694.D  
Acq: 29 Oct 2019 14:26

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

Tgt Ion: 152 Resp: 4269  
Ion Ratio Lower Upper  
152 100  
150 148.3 123.3 184.9  
115 60.3 51.9 77.9



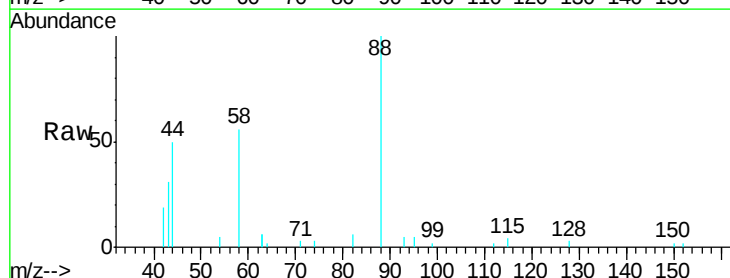
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



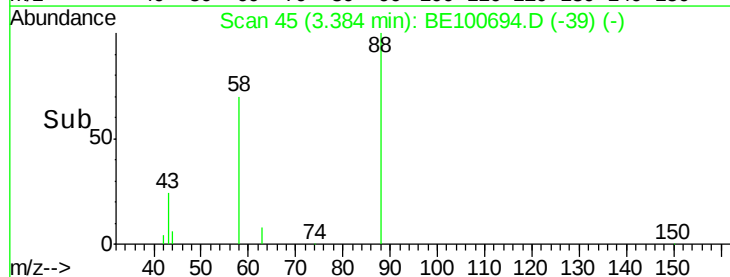
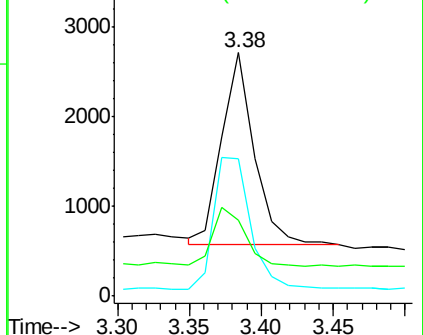
#2

1,4-Dioxane  
Concen: 0.438 ng  
RT: 3.38 min Scan# 45  
Delta R.T. 0.00 min  
Lab File: BE100694.D  
Acq: 29 Oct 2019 14:26

Tgt Ion: 88 Resp: 3340  
Ion Ratio Lower Upper  
88 100  
58 77.8 59.8 89.6  
43 30.0 24.6 36.8



Abundance Ion 88.00 (87.70 to 88.70): BE1  
Ion 58.00 (57.70 to 58.70): BE1  
Ion 43.00 (42.70 to 43.70): BE1





#3

n-Nitrosodimethylamine

Concen: 0.411 ng

RT: 3.68 min Scan# 71

Delta R.T. -0.01 min

Lab File: BE100694.D

Acq: 29 Oct 2019 14:26

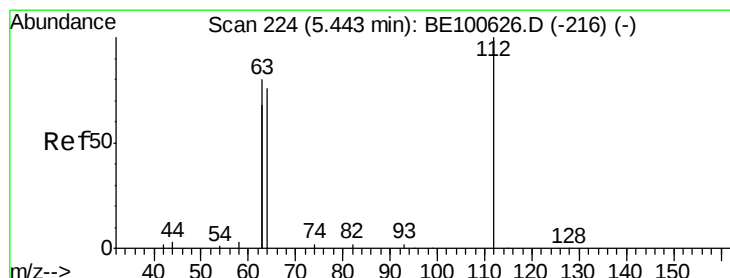
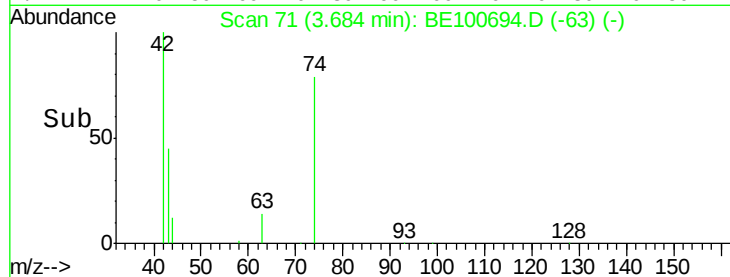
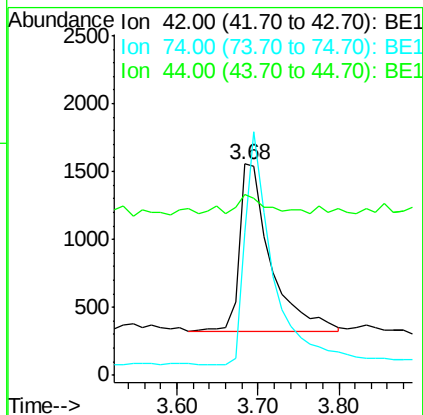
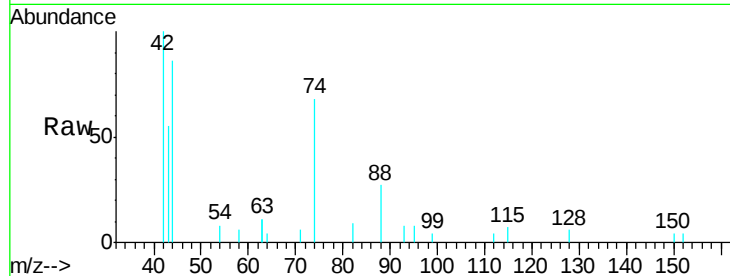
Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 3314  |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 74       | 122.1 | 97.2  | 145.8 |
| 44       | 11.8  | 16.6  | 24.8# |



#4

2-Fluorophenol

Concen: 0.417 ng

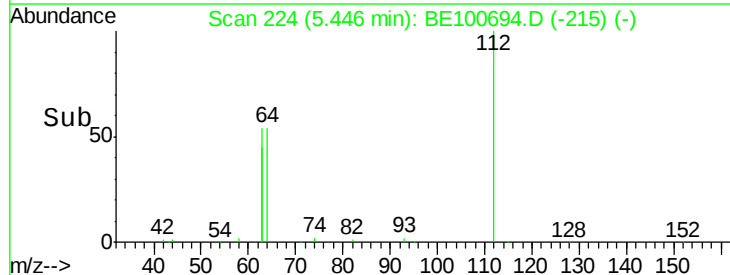
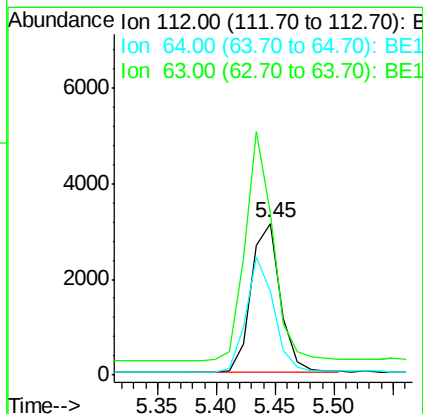
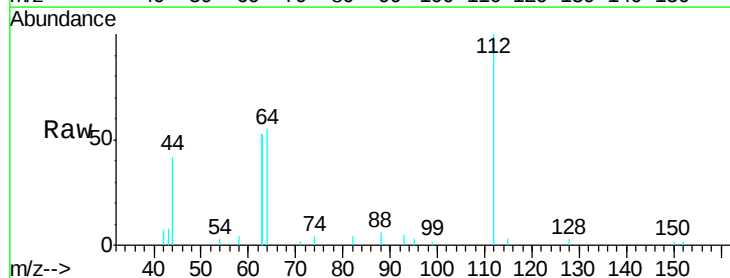
RT: 5.45 min Scan# 224

Delta R.T. 0.00 min

Lab File: BE100694.D

Acq: 29 Oct 2019 14:26

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 5494  |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 64       | 72.0  | 55.4  | 83.2  |
| 63       | 143.0 | 114.2 | 171.4 |





#5

Phenol-d6

Concen: 0.440 ng

RT: 7.01 min Scan# 360

Delta R.T. 0.00 min

Lab File: BE100694.D

Acq: 29 Oct 2019 14:26

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

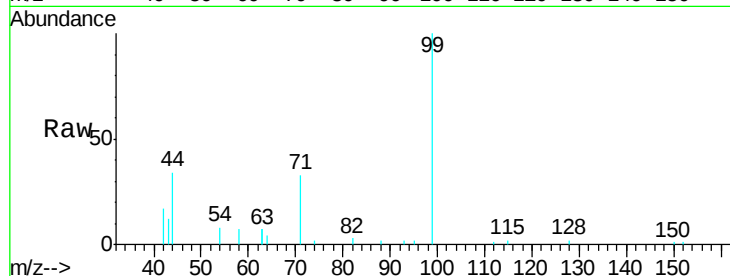
Tgt Ion: 99 Resp: 8186

Ion Ratio Lower Upper

99 100

42 22.2 17.7 26.5

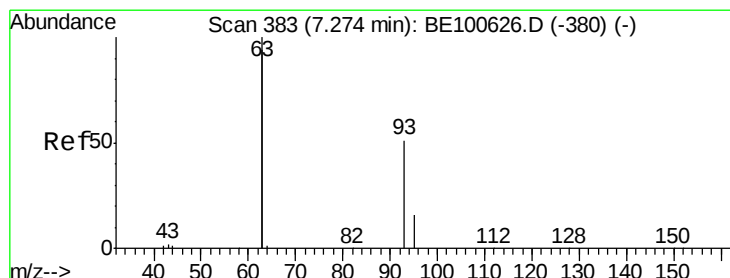
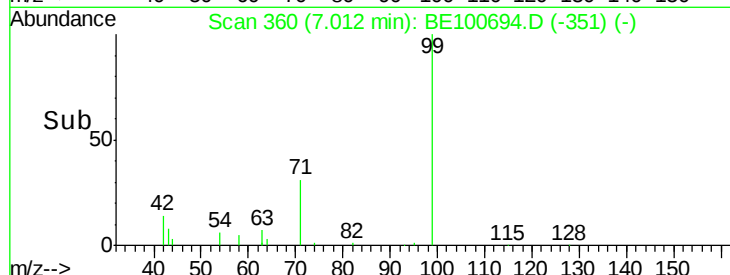
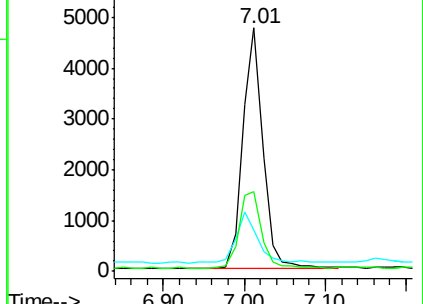
71 35.0 27.4 41.0



Abundance Ion 99.00 (98.70 to 99.70): BE1

Ion 42.00 (41.70 to 42.70): BE1

Ion 71.00 (70.70 to 71.70): BE1



#6

bis(2-Chloroethyl)ether

Concen: 0.455 ng

RT: 7.27 min Scan# 382

Delta R.T. -0.01 min

Lab File: BE100694.D

Acq: 29 Oct 2019 14:26

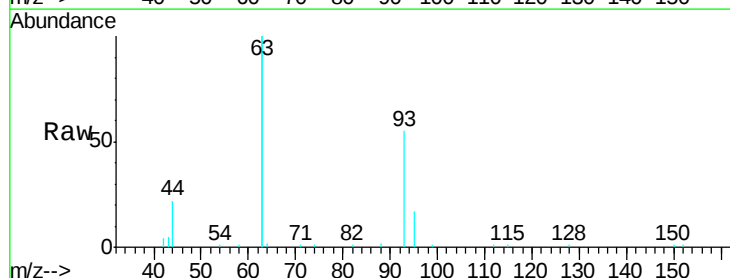
Tgt Ion: 93 Resp: 6939

Ion Ratio Lower Upper

93 100

63 333.7 268.8 403.2

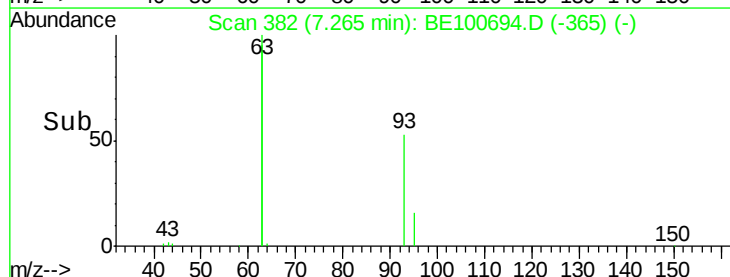
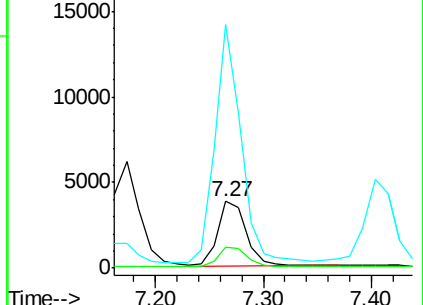
95 31.3 25.6 38.4

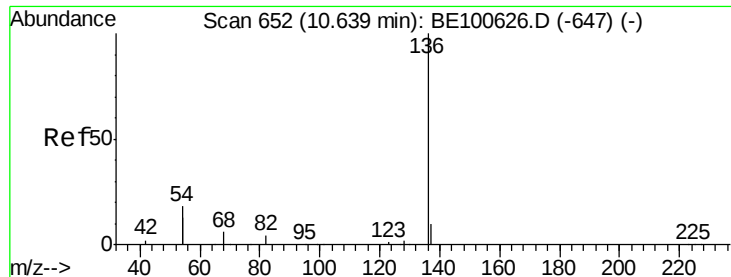


Abundance Ion 93.00 (92.70 to 93.70): BE1

Ion 63.00 (62.70 to 63.70): BE1

Ion 95.00 (94.70 to 95.70): BE1





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.63 min Scan# 651

Delta R.T. -0.00 min

Lab File: BE100694.D

Acq: 29 Oct 2019 14:26

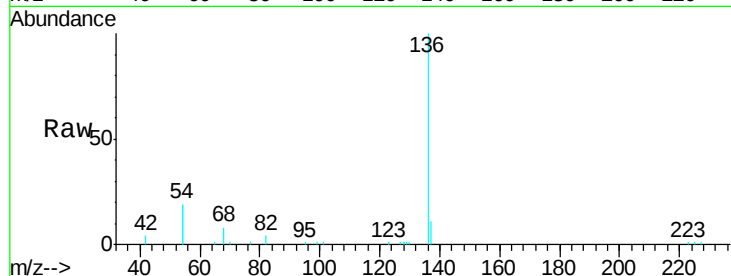
Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 18615 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.1  | 9.2   | 13.8  |
| 54       | 37.8  | 39.4  | 59.2# |
| 68       | 8.0   | 8.0   | 12.0# |

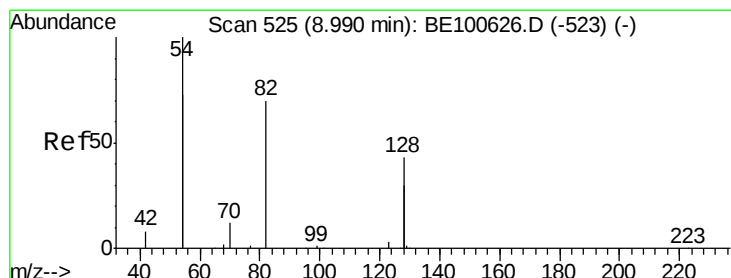
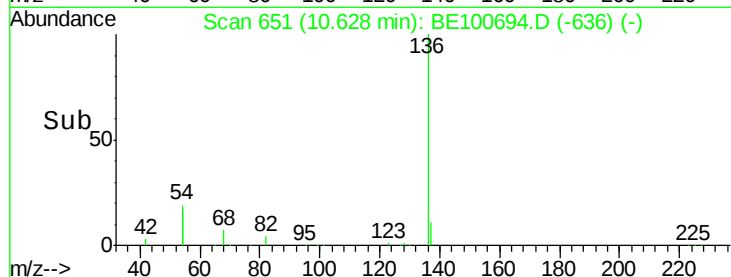
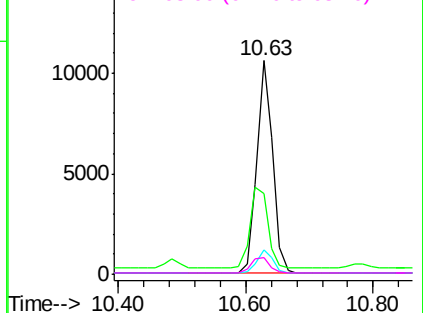


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1



#8

Nitrobenzene-d5

Concen: 0.517 ng

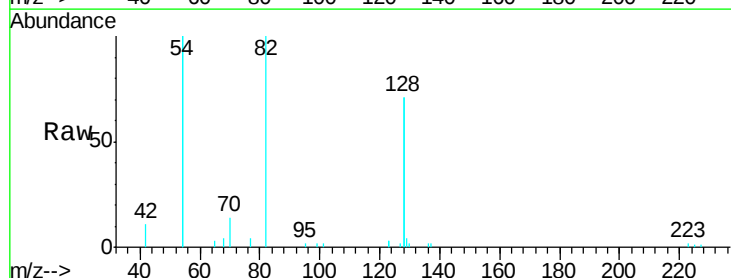
RT: 8.99 min Scan# 525

Delta R.T. -0.00 min

Lab File: BE100694.D

Acq: 29 Oct 2019 14:26

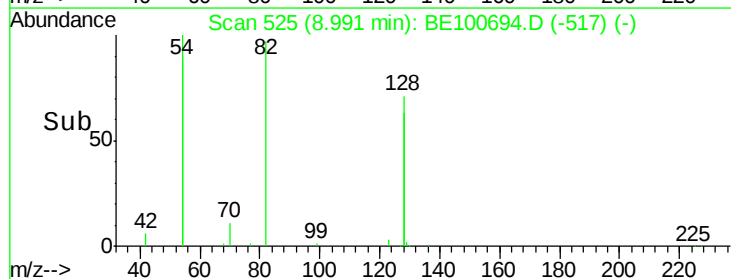
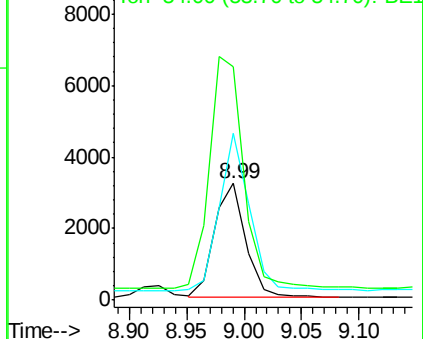
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 5967  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 142.6 | 107.8 | 161.8 |
| 54       | 200.2 | 166.1 | 249.1 |



Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.444 ng

RT: 10.68 min Scan# 655

Delta R.T. -0.00 min

Lab File: BE100694.D

Acq: 29 Oct 2019 14:26

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

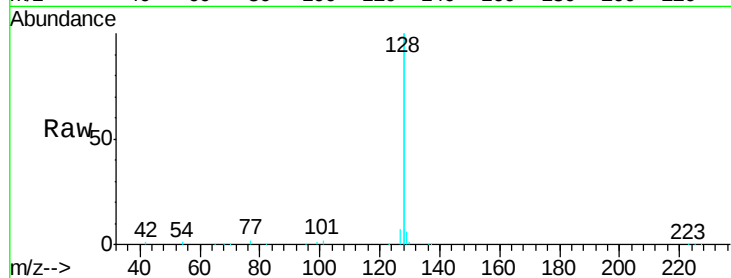
Tgt Ion:128 Resp: 86910

Ion Ratio Lower Upper

128 100

129 2.9 2.3 3.5

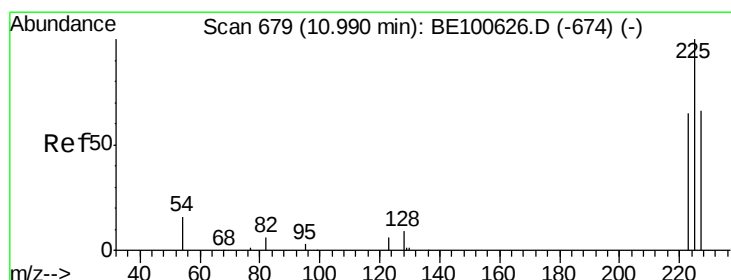
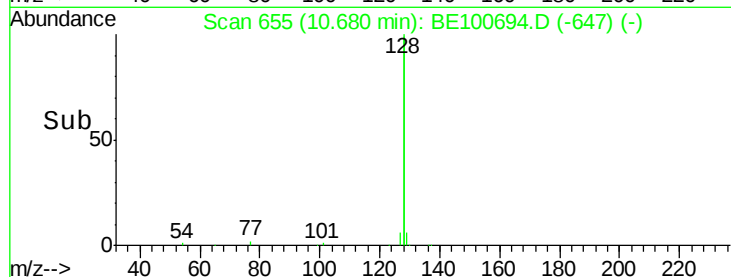
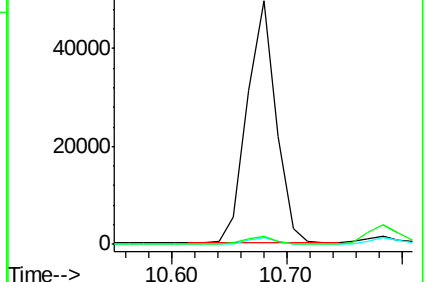
127 3.3 2.7 4.1



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: 0.456 ng

RT: 10.98 min Scan# 678

Delta R.T. -0.00 min

Lab File: BE100694.D

Acq: 29 Oct 2019 14:26

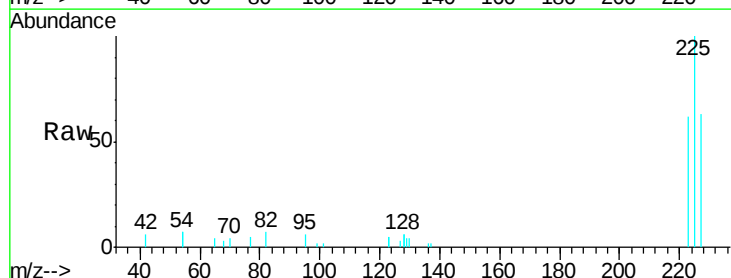
Tgt Ion:225 Resp: 3874

Ion Ratio Lower Upper

225 100

223 61.5 48.6 72.8

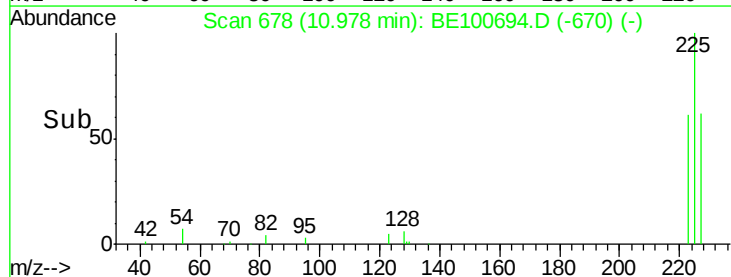
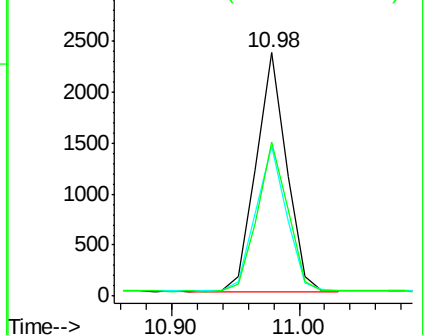
227 62.3 51.6 77.4

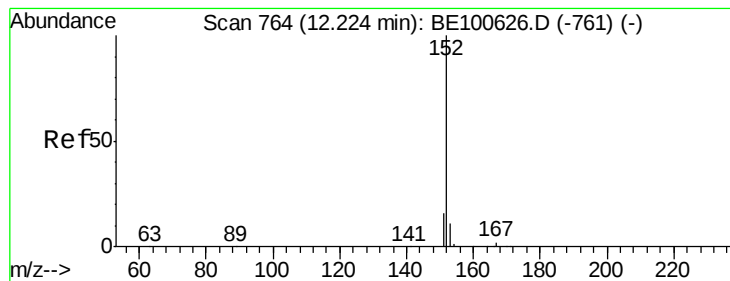


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.447 ng

RT: 12.22 min Scan# 764

Delta R.T. -0.00 min

Lab File: BE100694.D

Acq: 29 Oct 2019 14:26

Instrument :

BNA\_E

ClientSampleId :

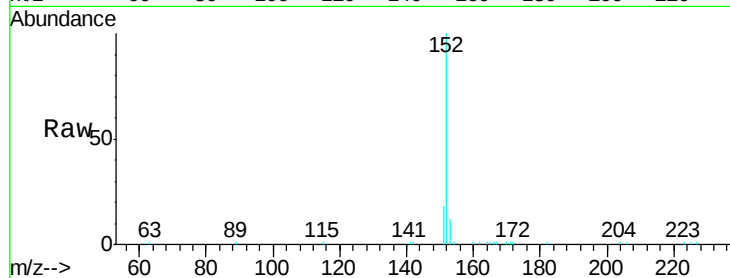
SSTDCCC0.4

Tgt Ion:152 Resp: 13113

Ion Ratio Lower Upper

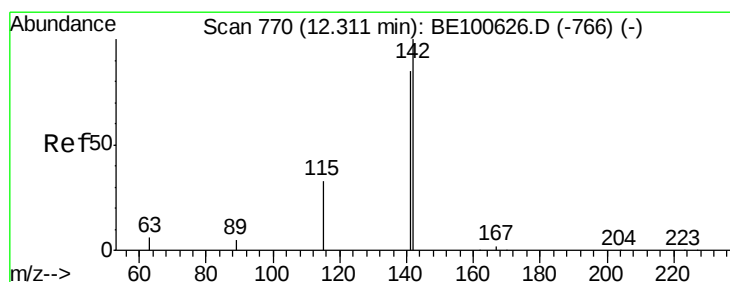
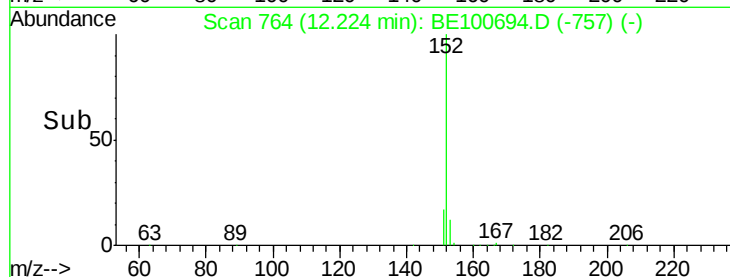
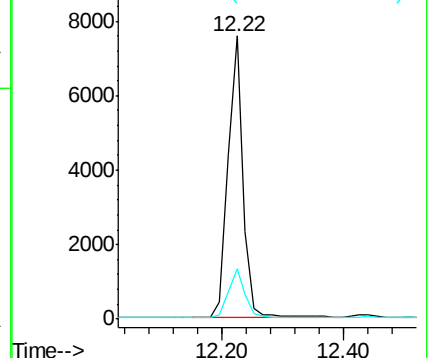
152 100

151 18.8 14.7 22.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.451 ng

RT: 12.30 min Scan# 769

Delta R.T. -0.00 min

Lab File: BE100694.D

Acq: 29 Oct 2019 14:26

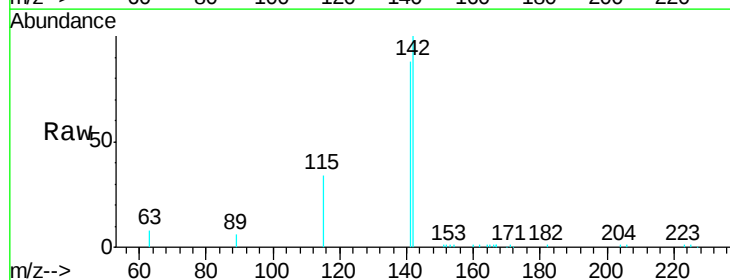
Tgt Ion:142 Resp: 15047

Ion Ratio Lower Upper

142 100

141 88.5 70.1 105.1

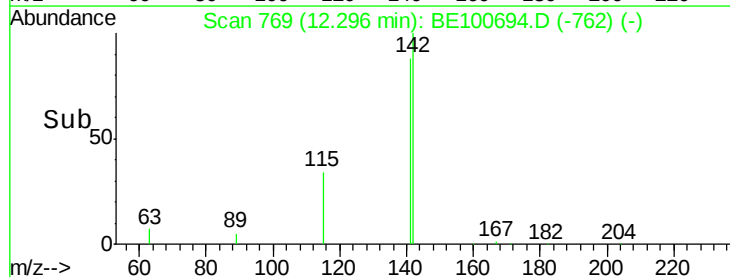
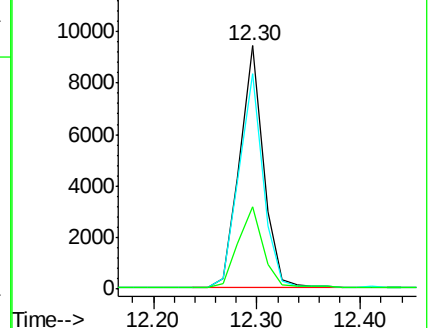
115 34.0 28.3 42.5

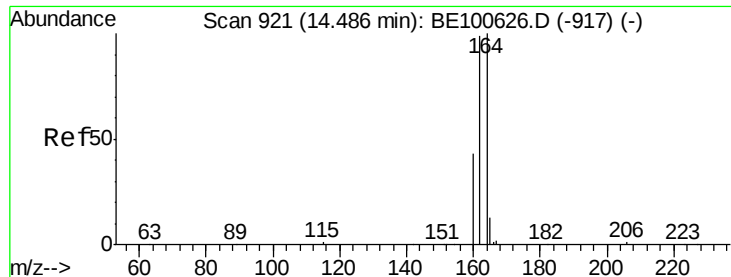


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

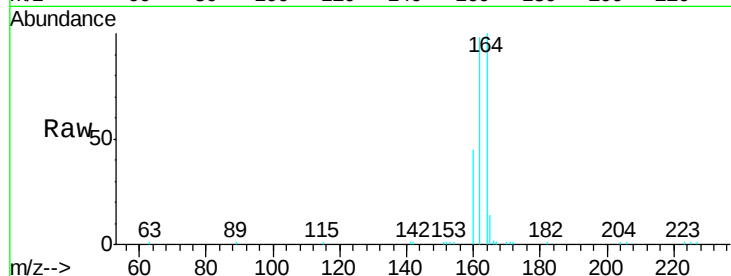




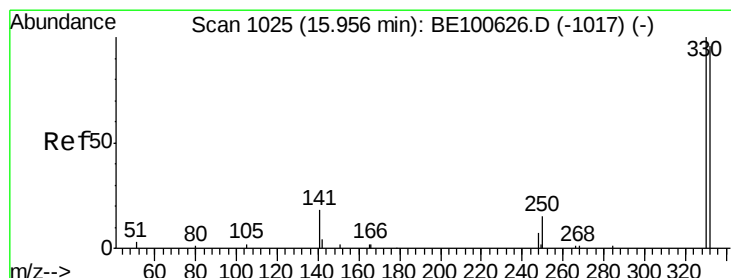
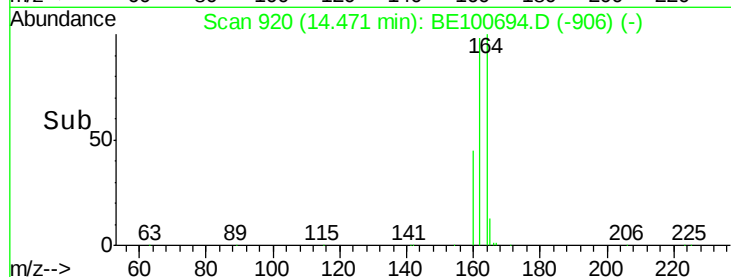
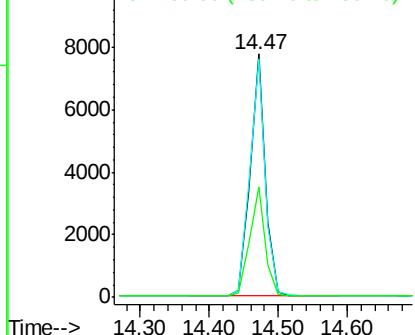
#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.47 min Scan# 920  
Delta R.T. -0.00 min  
Lab File: BE100694.D  
Acq: 29 Oct 2019 14:26

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

Tgt Ion:164 Resp: 11879  
Ion Ratio Lower Upper  
164 100  
162 98.0 82.0 123.0  
160 45.4 37.5 56.3

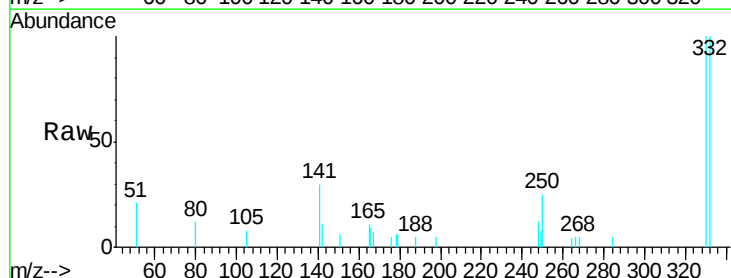


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

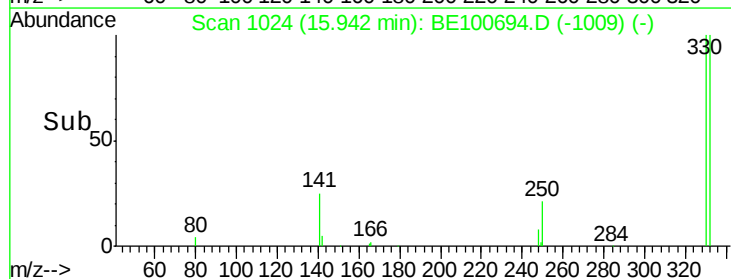
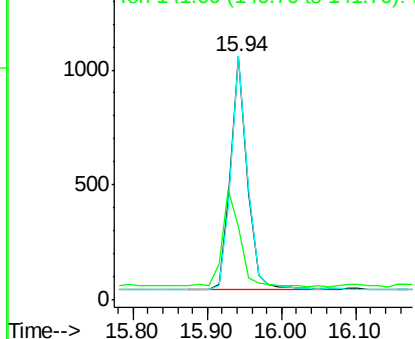


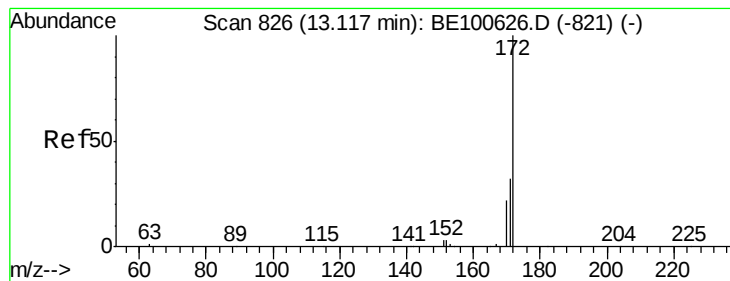
#14  
2,4,6-Tribromophenol  
Concen: 0.504 ng  
RT: 15.94 min Scan# 1024  
Delta R.T. -0.00 min  
Lab File: BE100694.D  
Acq: 29 Oct 2019 14:26

Tgt Ion:330 Resp: 1583  
Ion Ratio Lower Upper  
330 100  
332 100.2 77.9 116.9  
141 43.7 33.0 49.6



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: 0.435 ng

RT: 13.10 min Scan# 825

Delta R.T. -0.00 min

Lab File: BE100694.D

Acq: 29 Oct 2019 14:26

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

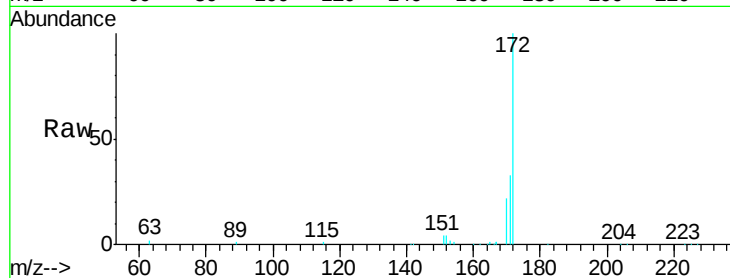
Tgt Ion:172 Resp: 18839

Ion Ratio Lower Upper

172 100

171 33.0 26.5 39.7

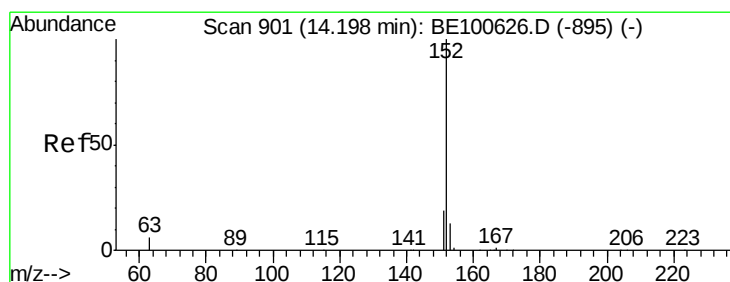
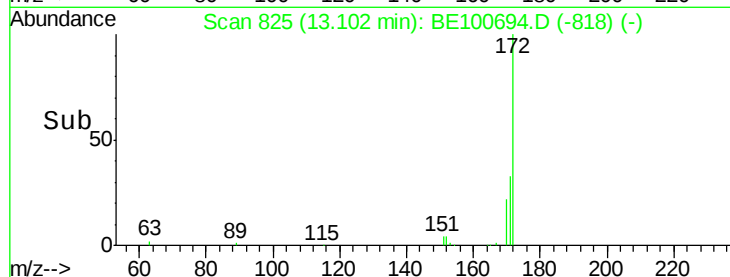
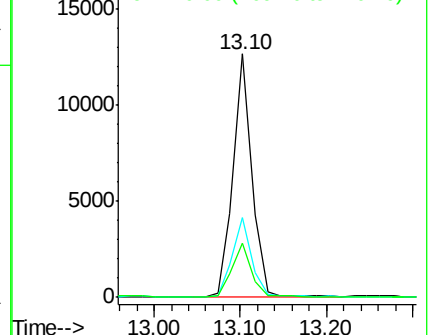
170 22.4 19.0 28.4



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: 0.403 ng

RT: 14.18 min Scan# 900

Delta R.T. -0.01 min

Lab File: BE100694.D

Acq: 29 Oct 2019 14:26

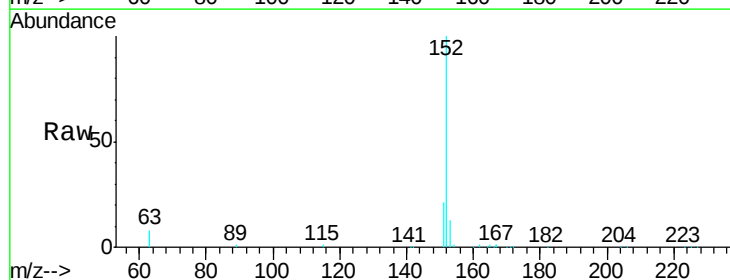
Tgt Ion:152 Resp: 20600

Ion Ratio Lower Upper

152 100

151 19.6 15.2 22.8

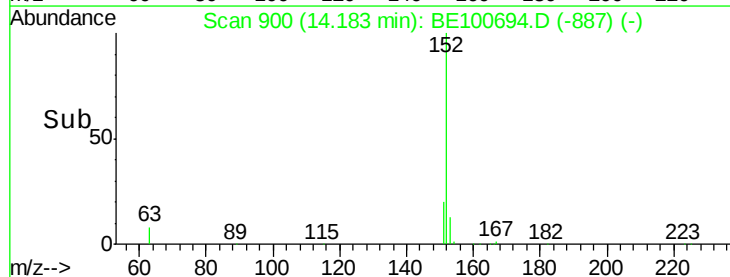
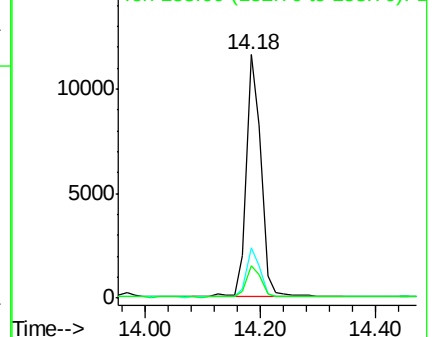
153 13.3 10.3 15.5

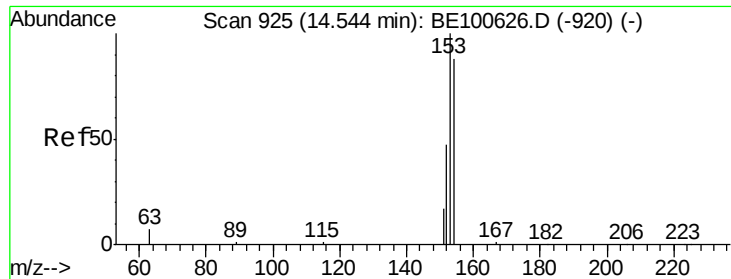


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

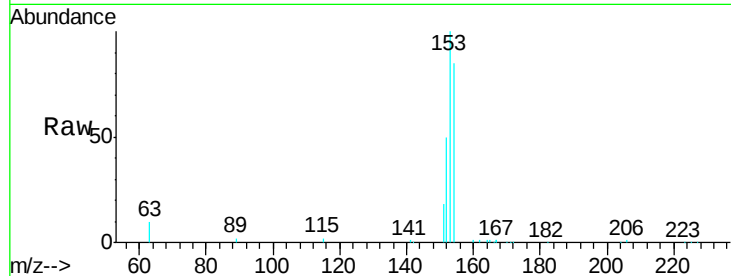




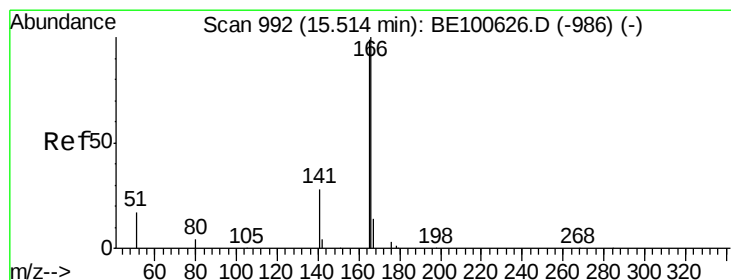
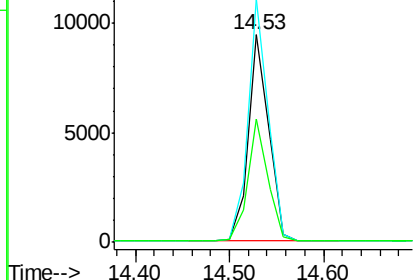
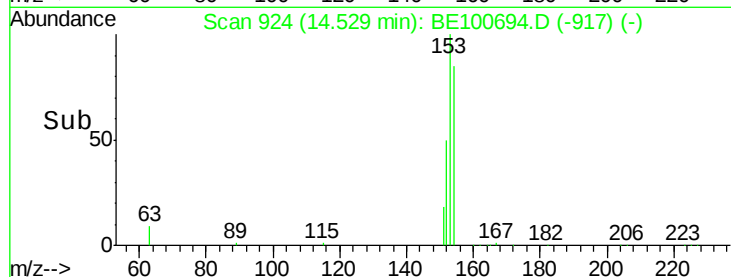
#17  
Acenaphthene  
Concen: 0.431 ng  
RT: 14.53 min Scan# 924  
Delta R.T. -0.00 min  
Lab File: BE100694.D  
Acq: 29 Oct 2019 14:26

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDCCC0.4

Tgt Ion:154 Resp: 14238  
Ion Ratio Lower Upper  
154 100  
153 116.6 89.4 134.2  
152 58.2 44.1 66.1

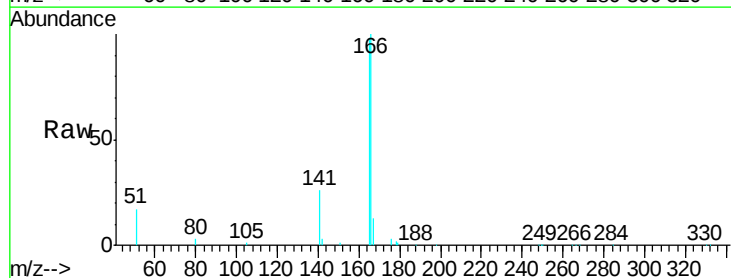


Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E

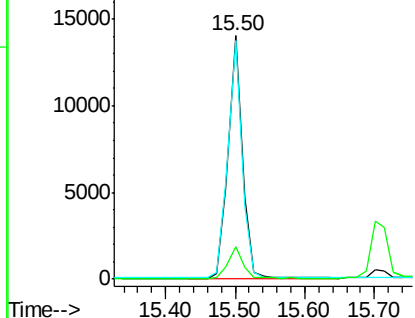
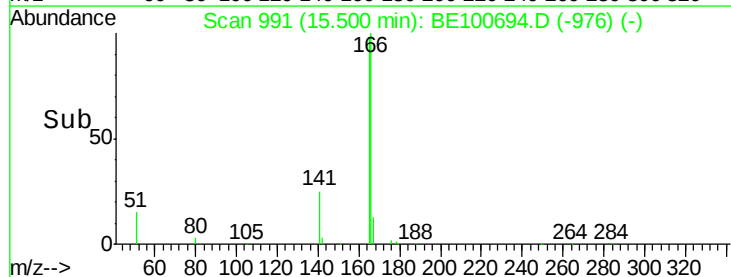


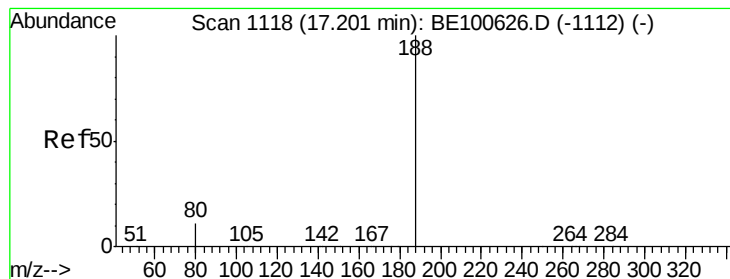
#18  
Fluorene  
Concen: 0.454 ng  
RT: 15.50 min Scan# 991  
Delta R.T. -0.00 min  
Lab File: BE100694.D  
Acq: 29 Oct 2019 14:26

Tgt Ion:166 Resp: 19911  
Ion Ratio Lower Upper  
166 100  
165 97.6 78.6 117.8  
167 13.0 10.9 16.3



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: 17.19 min Scan# 1117

Delta R.T. -0.01 min

Lab File: BE100694.D

Acq: 29 Oct 2019 14:26

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

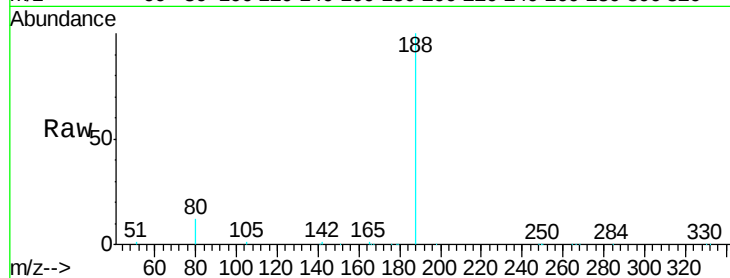
Tgt Ion:188 Resp: 28895

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

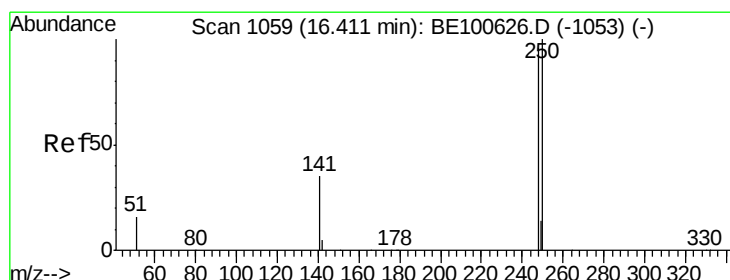
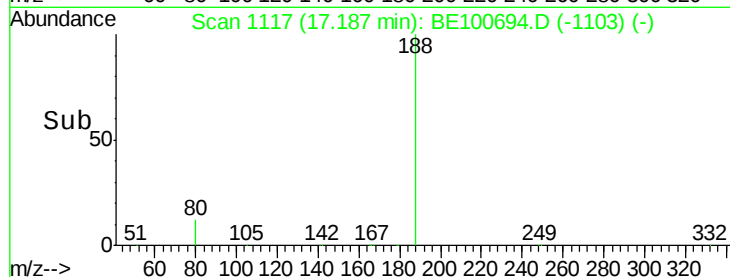
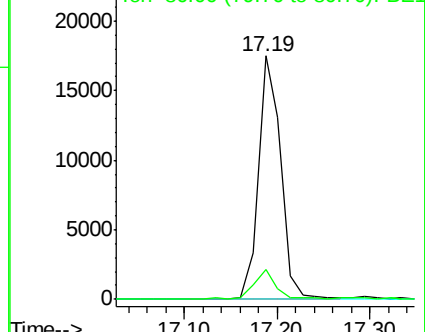
80 12.4 5.4 8.0#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE1

Ion 80.00 (79.70 to 80.70): BE1



#20

4-Bromophenyl-phenylether

Concen: 0.434 ng

RT: 16.40 min Scan# 1058

Delta R.T. -0.00 min

Lab File: BE100694.D

Acq: 29 Oct 2019 14:26

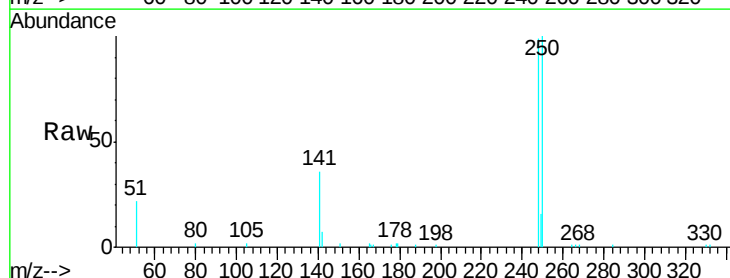
Tgt Ion:248 Resp: 6377

Ion Ratio Lower Upper

248 100

250 101.2 76.3 114.5

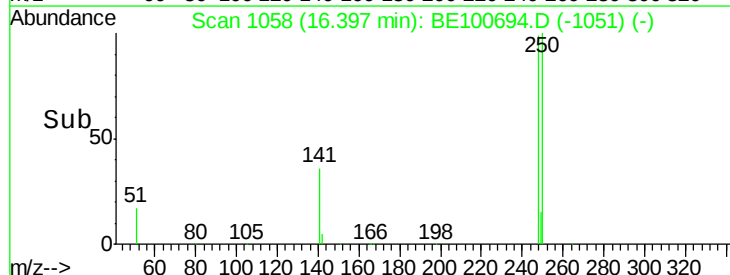
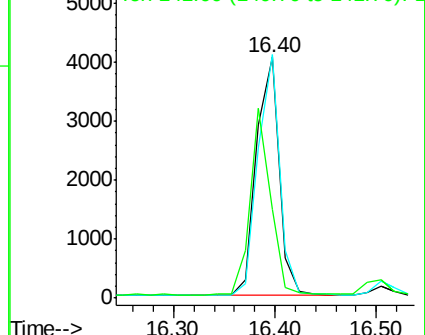
141 36.9 37.3 55.9#

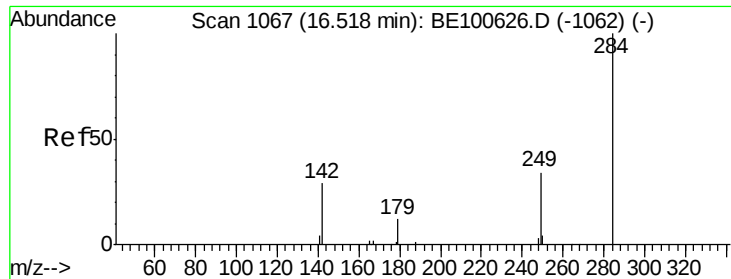


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.443 ng

RT: 16.50 min Scan# 1066

Delta R.T. -0.01 min

Lab File: BE100694.D

Acq: 29 Oct 2019 14:26

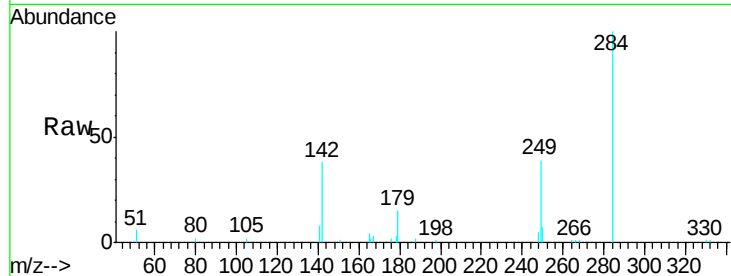
Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

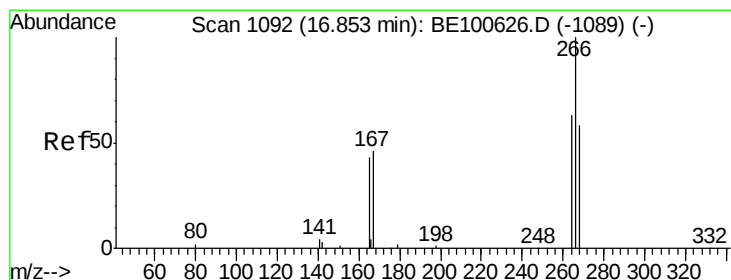
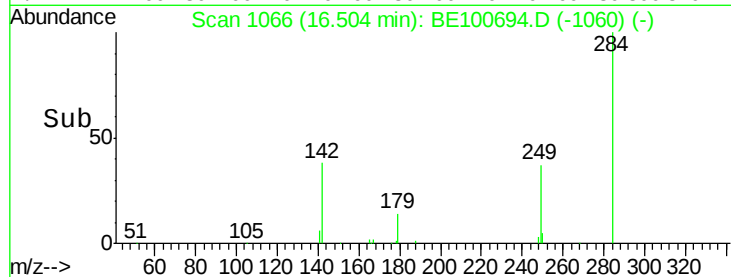
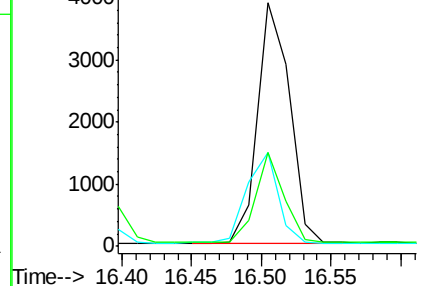
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 284   | Resp: | 6211  |
| Ion      | Ratio | Lower | Upper |
| 284      | 100   |       |       |
| 142      | 36.2  | 28.6  | 42.8  |
| 249      | 33.3  | 26.3  | 39.5  |



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: 0.302 ng

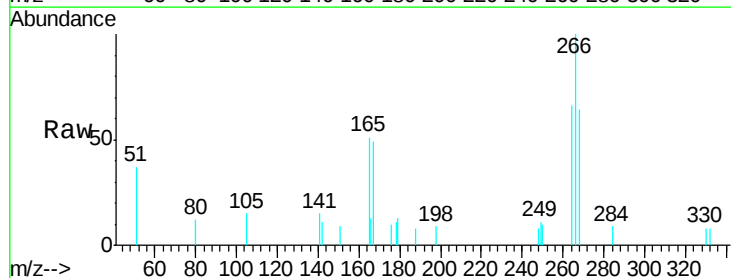
RT: 16.85 min Scan# 1092

Delta R.T. -0.00 min

Lab File: BE100694.D

Acq: 29 Oct 2019 14:26

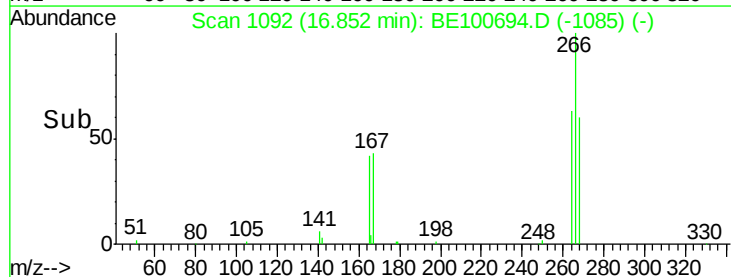
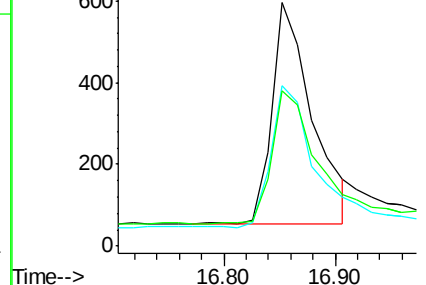
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 266   | Resp: | 1365  |
| Ion      | Ratio | Lower | Upper |
| 266      | 100   |       |       |
| 264      | 65.8  | 52.2  | 78.4  |
| 268      | 63.9  | 53.1  | 79.7  |

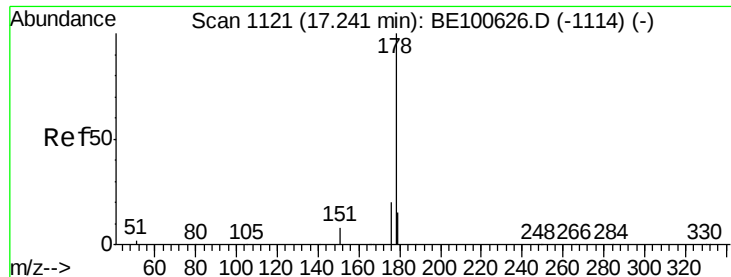


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.450 ng

RT: 17.23 min Scan# 1120

Delta R.T. -0.01 min

Lab File: BE100694.D

Acq: 29 Oct 2019 14:26

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

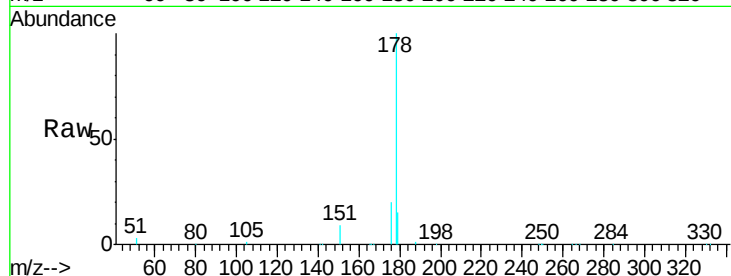
Tgt Ion:178 Resp: 35795

Ion Ratio Lower Upper

178 100

176 18.8 15.2 22.8

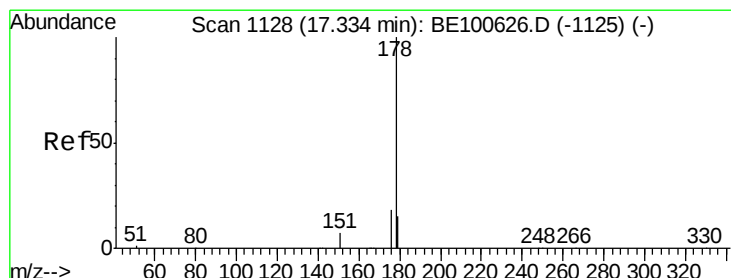
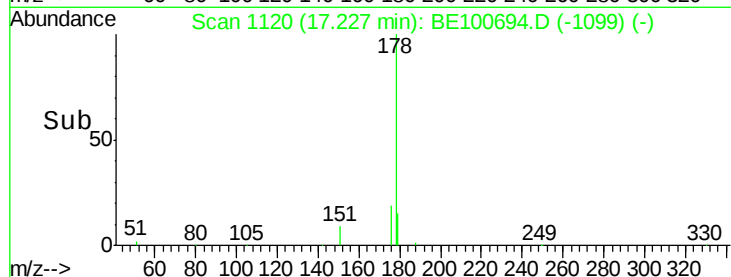
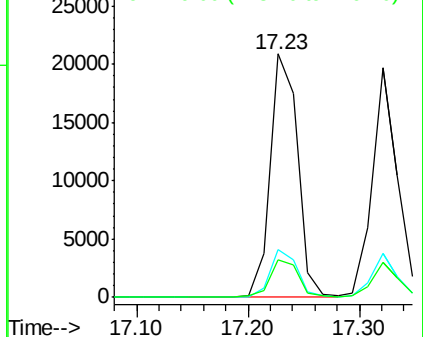
179 15.4 12.1 18.1



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



#24

Anthracene

Concen: 0.415 ng

RT: 17.32 min Scan# 1127

Delta R.T. -0.00 min

Lab File: BE100694.D

Acq: 29 Oct 2019 14:26

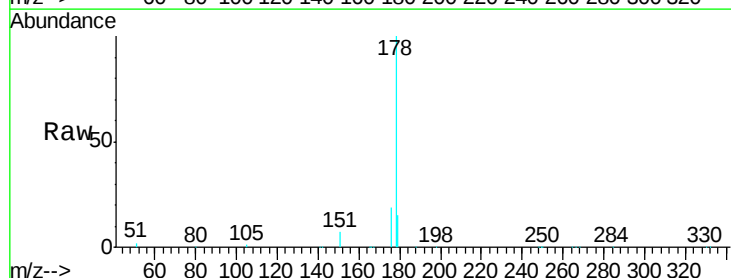
Tgt Ion:178 Resp: 30583

Ion Ratio Lower Upper

178 100

176 18.5 15.0 22.4

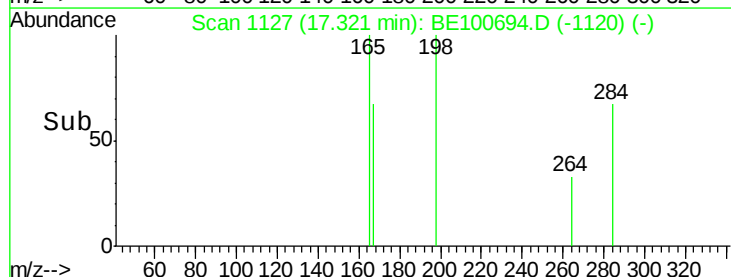
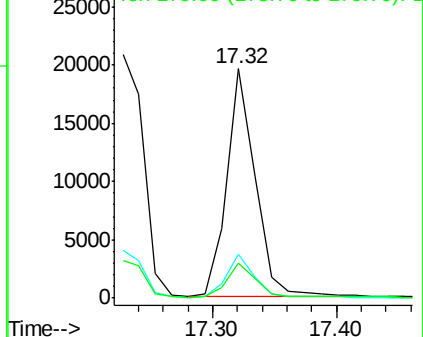
179 15.3 12.5 18.7

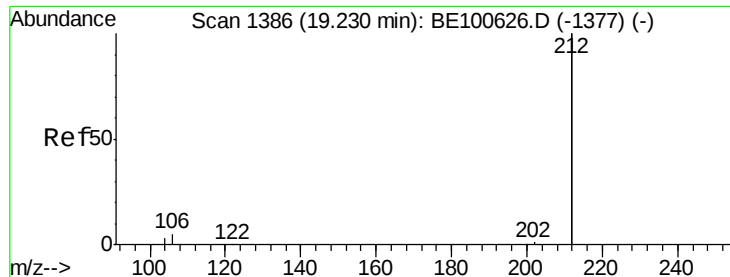


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.435 ng

RT: 19.21 min Scan# 1383

Delta R.T. -0.01 min

Lab File: BE100694.D

Acq: 29 Oct 2019 14:26

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

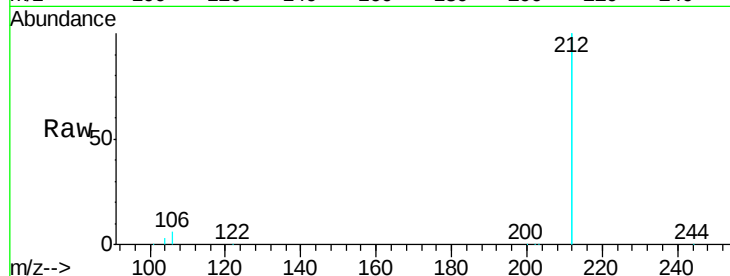
Tgt Ion:212 Resp: 162378

Ion Ratio Lower Upper

212 100

106 2.8 2.3 3.5

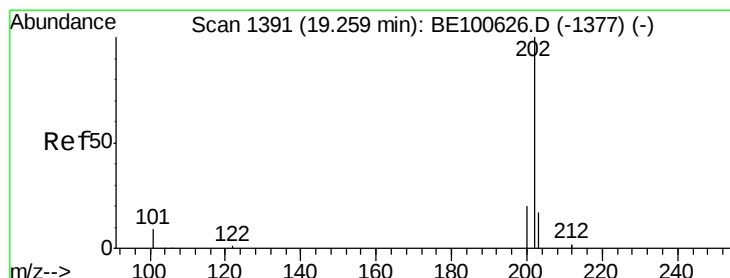
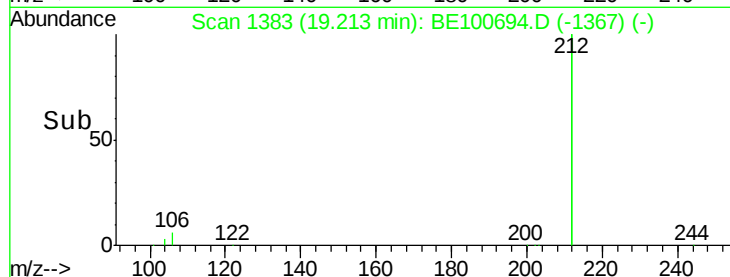
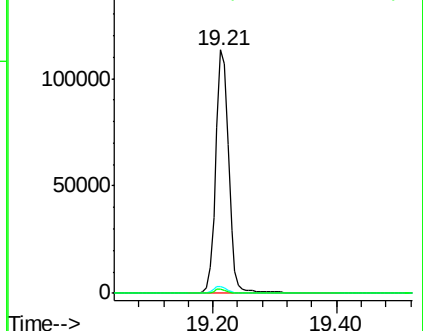
104 1.6 1.3 1.9



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: 0.445 ng

RT: 19.25 min Scan# 1389

Delta R.T. -0.00 min

Lab File: BE100694.D

Acq: 29 Oct 2019 14:26

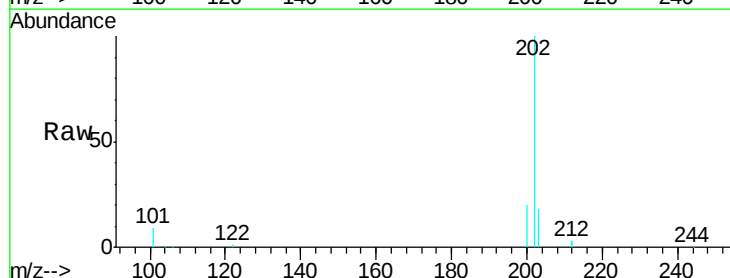
Tgt Ion:202 Resp: 46198

Ion Ratio Lower Upper

202 100

101 10.7 8.5 12.7

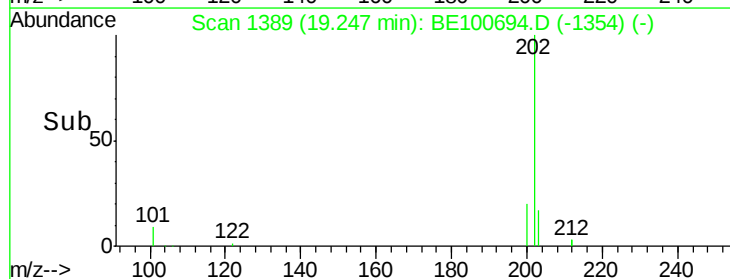
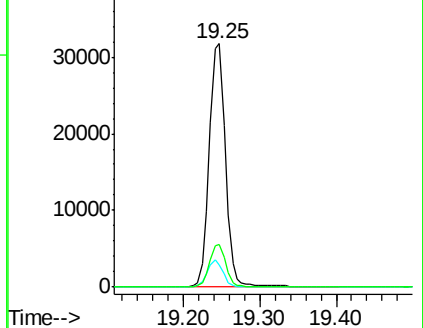
203 17.3 13.8 20.8



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: 21.35 min Scan# 1629

Delta R.T. 0.00 min

Lab File: BE100694.D

Acq: 29 Oct 2019 14:26

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

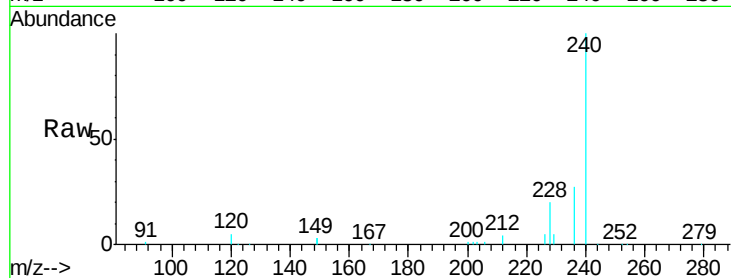
Tgt Ion:240 Resp: 34548

Ion Ratio Lower Upper

240 100

120 5.4 7.6 11.4#

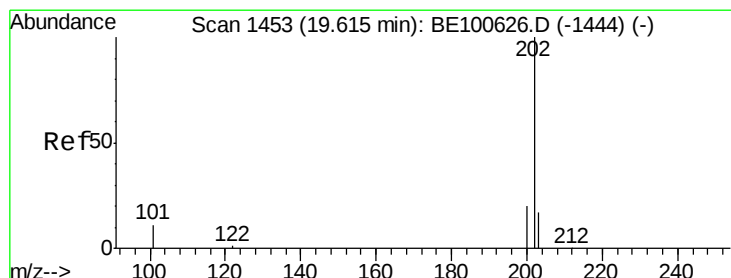
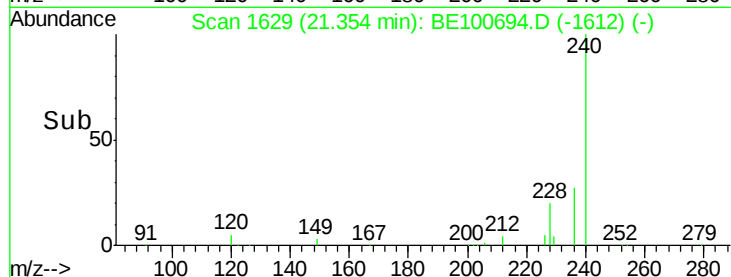
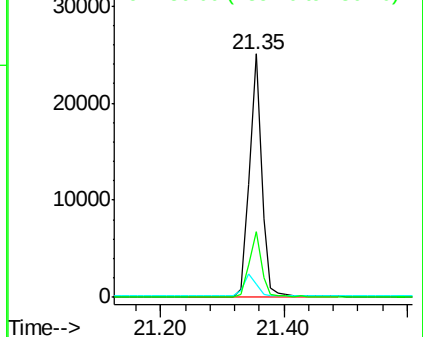
236 26.8 22.1 33.1



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: 0.485 ng

RT: 19.60 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BE100694.D

Acq: 29 Oct 2019 14:26

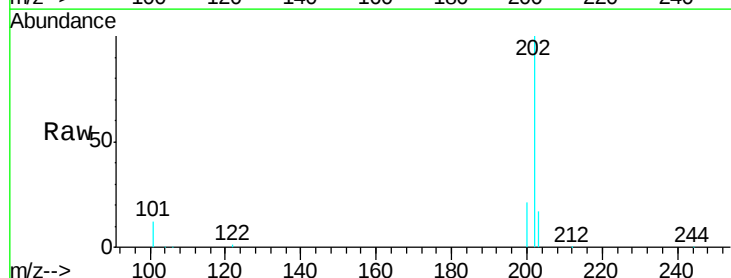
Tgt Ion:202 Resp: 46823

Ion Ratio Lower Upper

202 100

200 20.8 16.7 25.1

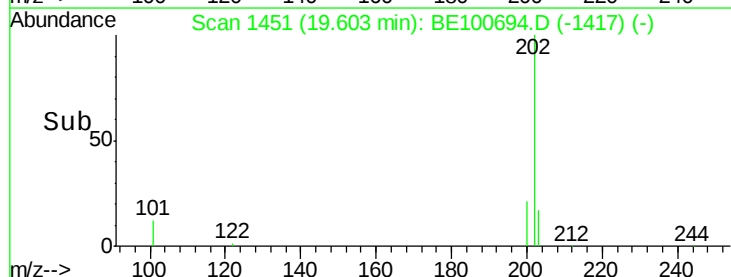
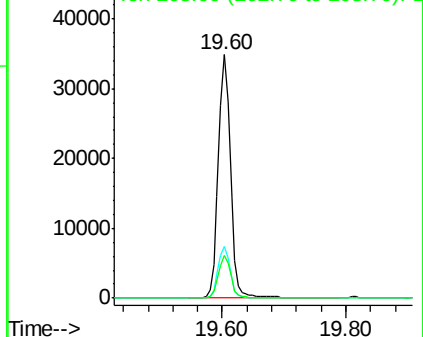
203 17.4 14.0 21.0

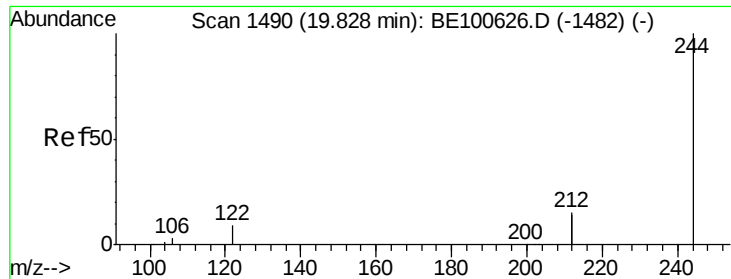


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.469 ng

RT: 19.81 min Scan# 1487

Delta R.T. -0.01 min

Lab File: BE100694.D

Acq: 29 Oct 2019 14:26

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

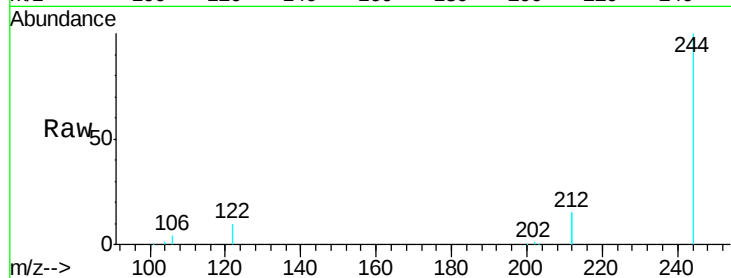
Tgt Ion:244 Resp: 35444

Ion Ratio Lower Upper

244 100

212 30.7 23.7 35.5

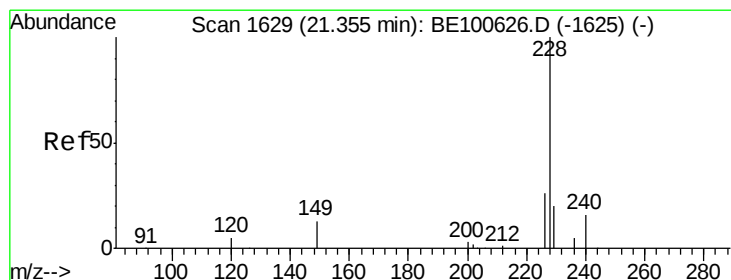
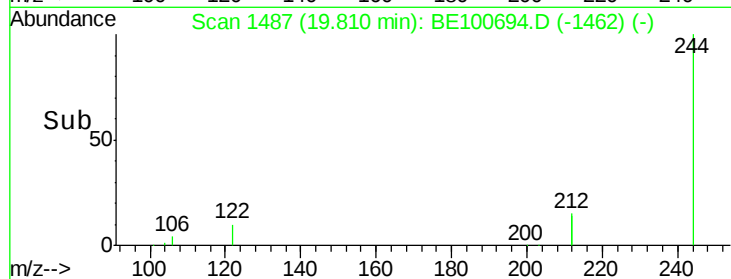
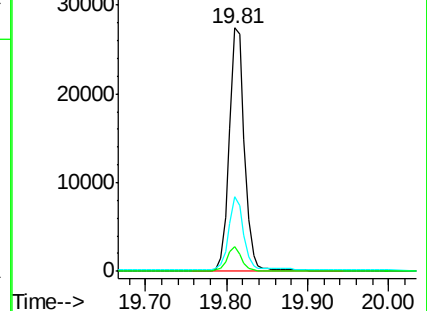
122 10.4 7.9 11.9



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: 0.435 ng

RT: 21.34 min Scan# 1628

Delta R.T. 0.00 min

Lab File: BE100694.D

Acq: 29 Oct 2019 14:26

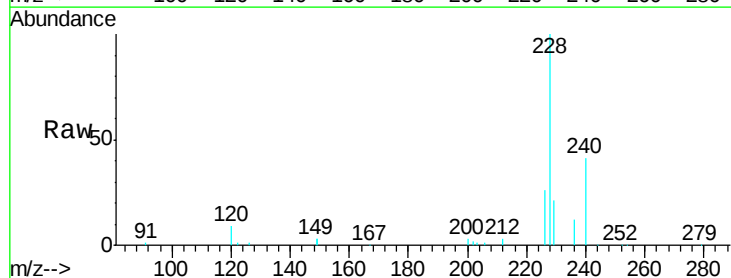
Tgt Ion:228 Resp: 48968

Ion Ratio Lower Upper

228 100

226 25.7 21.4 32.0

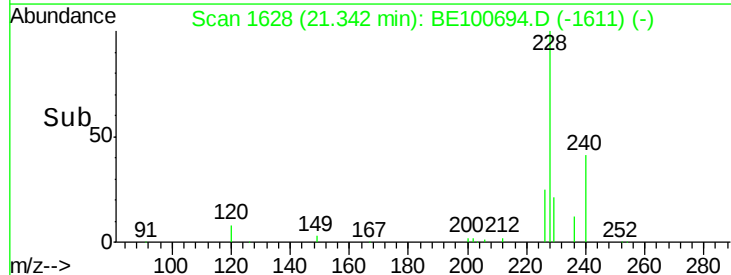
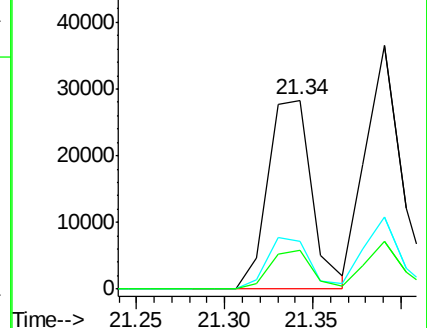
229 20.7 16.0 24.0



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: 0.444 ng

RT: 21.39 min Scan# 1632

Delta R.T. 0.00 min

Lab File: BE100694.D

Acq: 29 Oct 2019 14:26

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

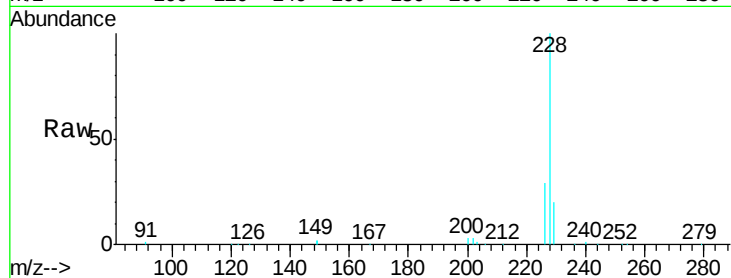
Tgt Ion:228 Resp: 50044

Ion Ratio Lower Upper

228 100

226 29.4 24.6 37.0

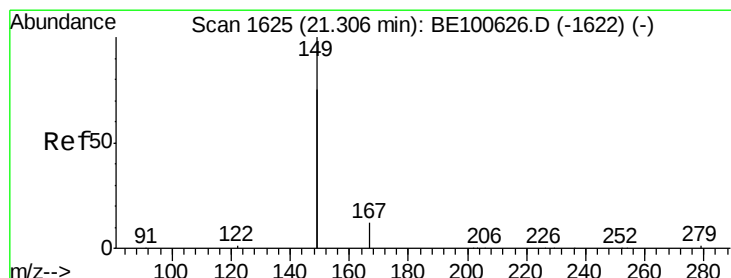
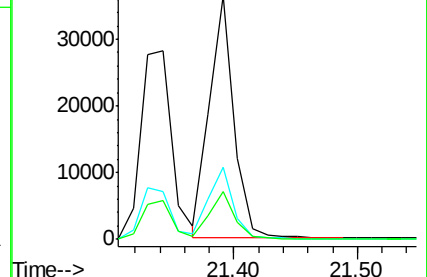
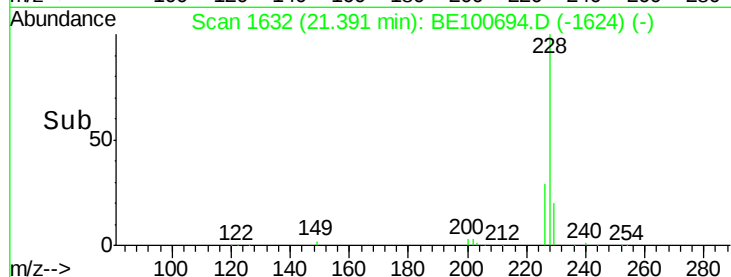
229 19.8 15.8 23.8



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: 0.347 ng

RT: 21.28 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BE100694.D

Acq: 29 Oct 2019 14:26

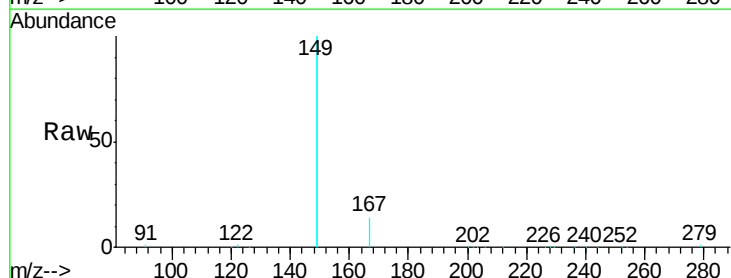
Tgt Ion:149 Resp: 81779

Ion Ratio Lower Upper

149 100

167 6.8 5.5 8.3

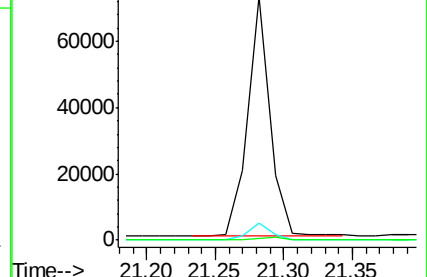
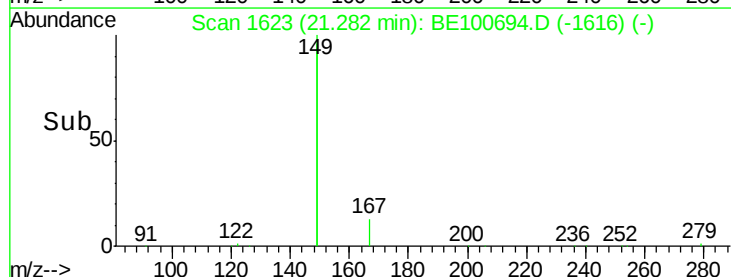
279 1.1 0.9 1.3



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: 0.425 ng

RT: 26.42 min Scan# 2911

Delta R.T. -0.01 min

Lab File: BE100694.D

Acq: 29 Oct 2019 14:26

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

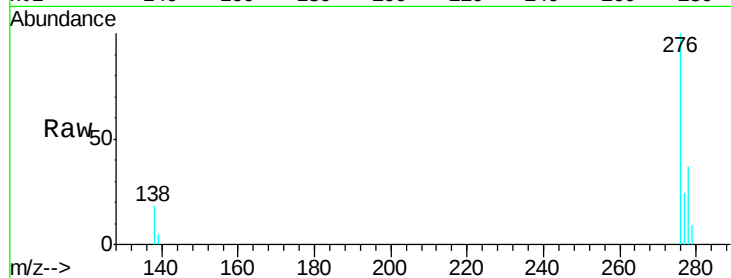
Tgt Ion:276 Resp: 58895

Ion Ratio Lower Upper

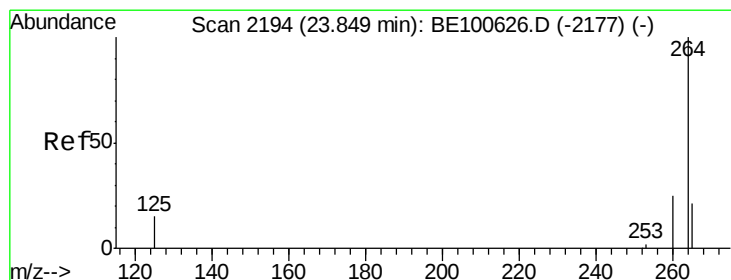
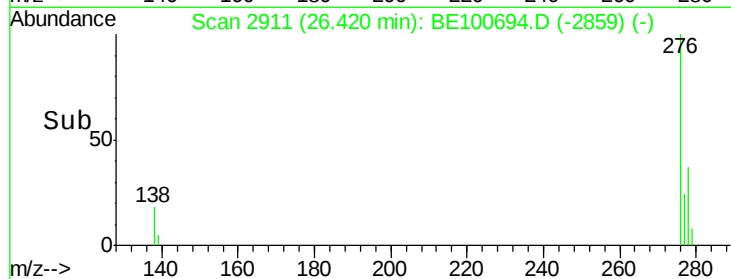
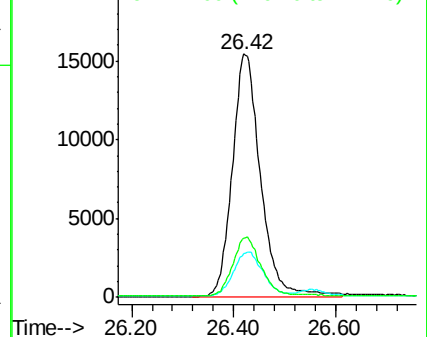
276 100

138 19.0 15.3 22.9

277 24.3 19.4 29.2



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.82 min Scan# 2186

Delta R.T. -0.01 min

Lab File: BE100694.D

Acq: 29 Oct 2019 14:26

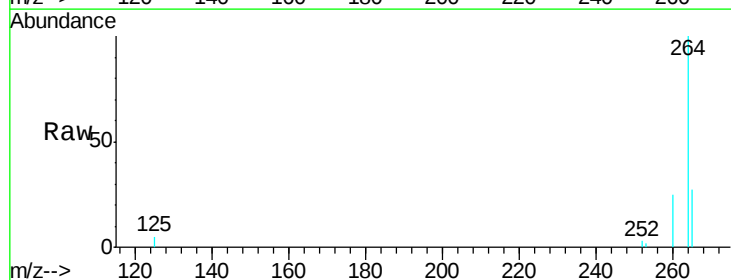
Tgt Ion:264 Resp: 40927

Ion Ratio Lower Upper

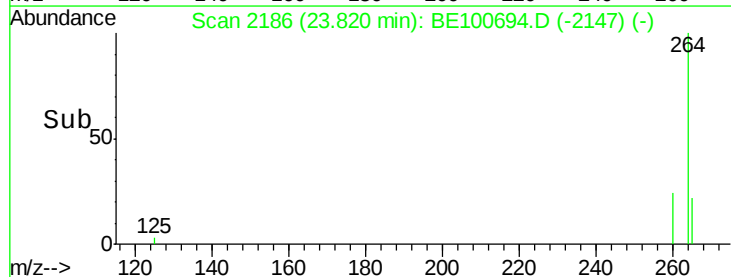
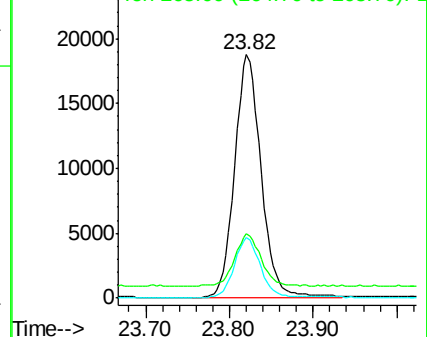
264 100

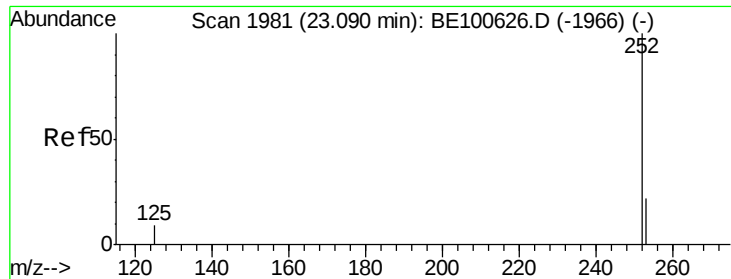
260 24.6 19.4 29.2

265 26.6 21.7 32.5



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: 0.414 ng

RT: 23.06 min Scan# 1974

Delta R.T. -0.01 min

Lab File: BE100694.D

Acq: 29 Oct 2019 14:26

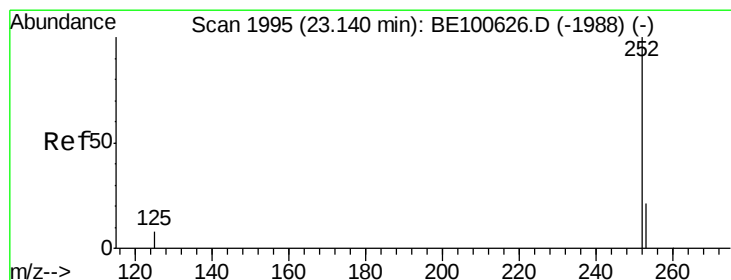
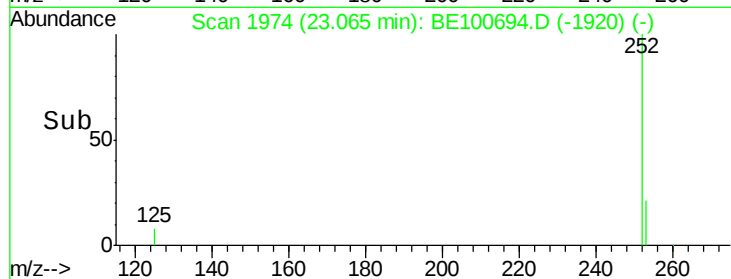
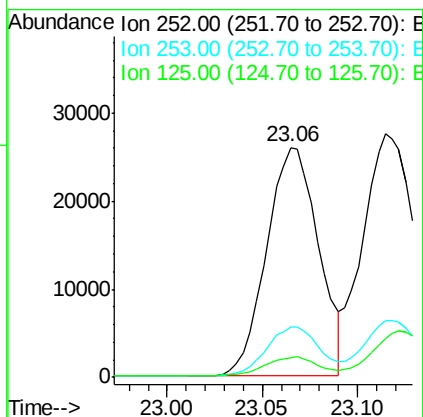
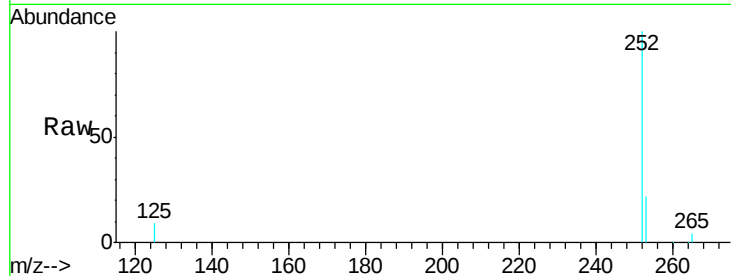
Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 252   | Resp: | 49361 |
| Ion      | Ratio | Lower | Upper |
| 252      | 100   |       |       |
| 253      | 22.0  | 18.4  | 27.6  |
| 125      | 8.7   | 7.6   | 11.4  |



#36

Benzo(k)fluoranthene

Concen: 0.446 ng

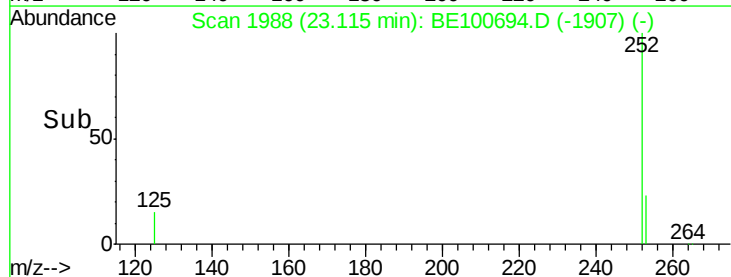
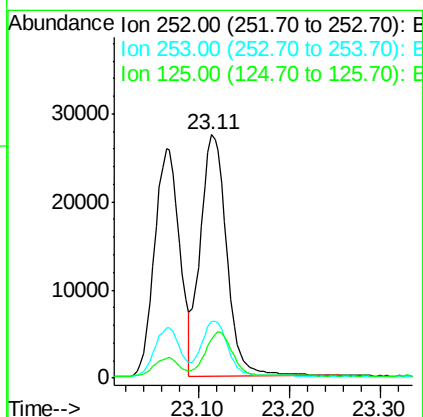
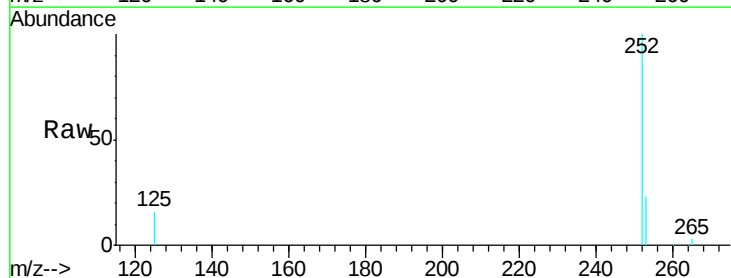
RT: 23.11 min Scan# 1988

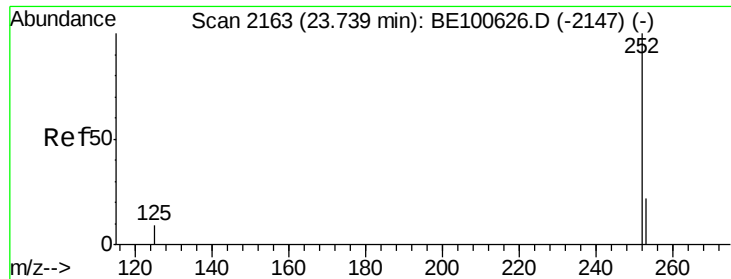
Delta R.T. -0.01 min

Lab File: BE100694.D

Acq: 29 Oct 2019 14:26

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 252   | Resp: | 54733 |
| Ion      | Ratio | Lower | Upper |
| 252      | 100   |       |       |
| 253      | 23.4  | 18.4  | 27.6  |
| 125      | 15.8  | 11.6  | 17.4  |





#37

Benzo(a)pyrene

Concen: 0.406 ng

RT: 23.71 min Scan# 2155

Delta R.T. -0.01 min

Lab File: BE100694.D

Acq: 29 Oct 2019 14:26

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4

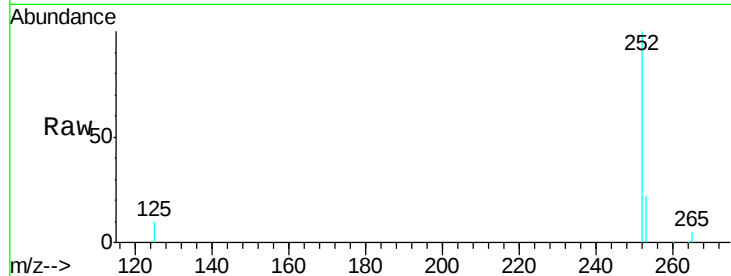
Tgt Ion: 252 Resp: 45141

Ion Ratio Lower Upper

252 100

253 22.2 18.4 27.6

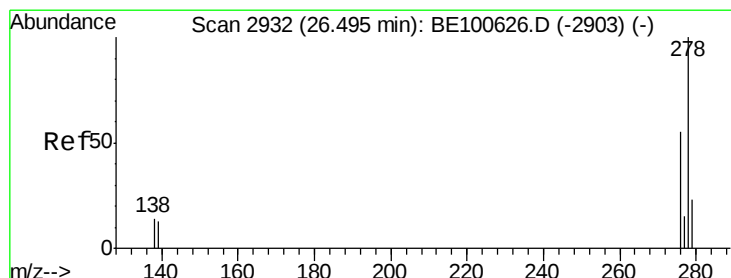
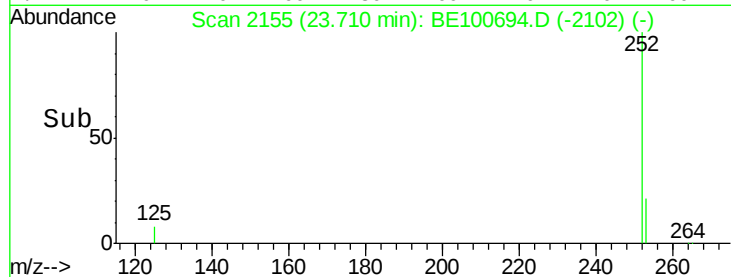
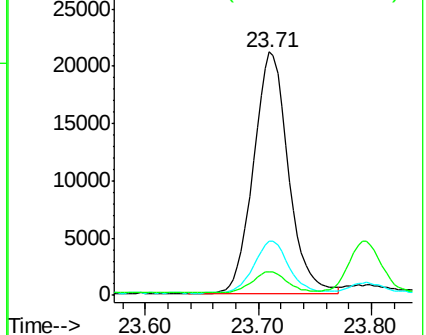
125 9.7 8.2 12.4



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



#38

Dibenzo(a,h)anthracene

Concen: 0.415 ng

RT: 26.45 min Scan# 2919

Delta R.T. -0.01 min

Lab File: BE100694.D

Acq: 29 Oct 2019 14:26

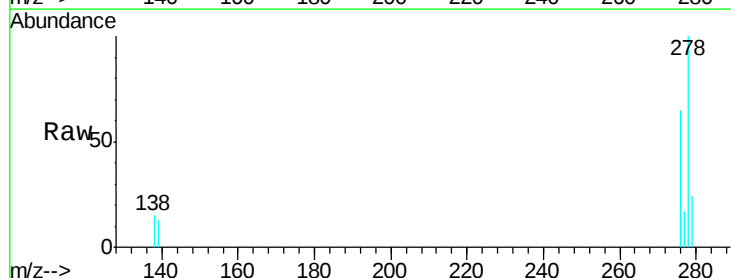
Tgt Ion: 278 Resp: 47632

Ion Ratio Lower Upper

278 100

139 12.9 10.9 16.3

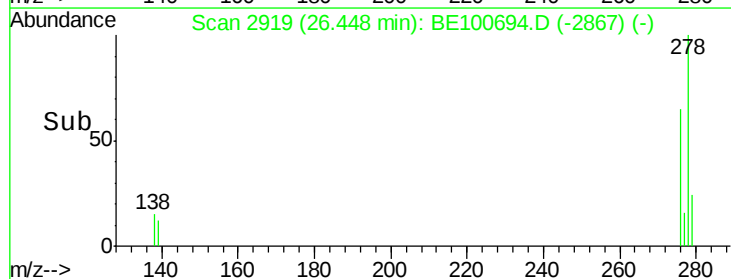
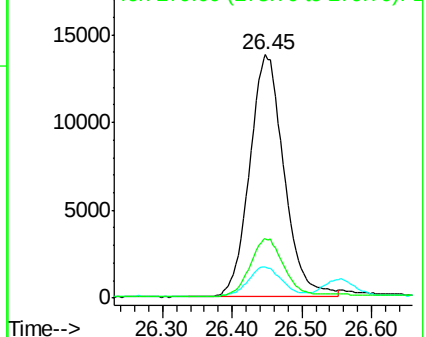
279 24.3 19.4 29.2

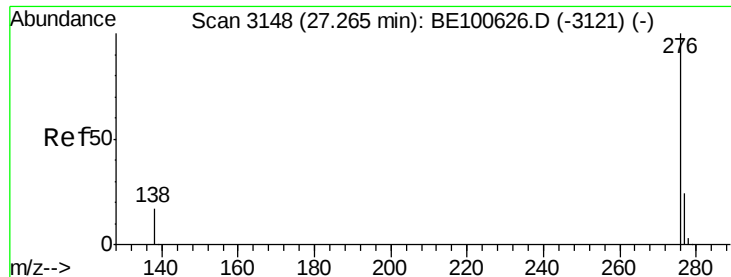


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.430 ng

RT: 27.22 min Scan# 3134

Delta R.T. -0.02 min

Lab File: BE100694.D

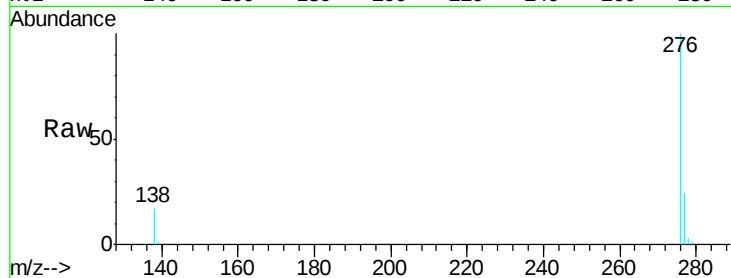
Acq: 29 Oct 2019 14:26

Instrument :

BNA\_E

ClientSampleId :

SSTDCCC0.4



Tgt Ion: 276 Resp: 49674

Ion Ratio Lower Upper

276 100

277 23.9 19.4 29.0

138 17.5 13.6 20.4

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

