

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE100319\  
 Data File : BE100599.D  
 Acq On : 3 Oct 2019 16:24  
 Operator : JU  
 Sample : SSTDICC3.2  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC3.2

Quant Time: Oct 03 17:25:26 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE100319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 03 15:15:22 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.83  | 152  | 3278     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.61 | 136  | 15212    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.46 | 164  | 9183     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.19 | 188  | 19578    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.35 | 240  | 28730    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.81 | 264  | 29733    | 0.40 | ng    | 0.00     |

|                             |       |     |        |      |    |       |
|-----------------------------|-------|-----|--------|------|----|-------|
| System Monitoring Compounds |       |     |        |      |    |       |
| 4) 2-Fluorophenol           | 5.40  | 112 | 30453  | 3.41 | ng | -0.01 |
| 5) Phenol-d6                | 6.99  | 99  | 39991  | 3.46 | ng | 0.00  |
| 8) Nitrobenzene-d5          | 8.97  | 82  | 34328  | 3.48 | ng | -0.01 |
| 11) 2-Methylnaphthalene-d10 | 12.21 | 152 | 77642  | 3.45 | ng | 0.00  |
| 14) 2,4,6-Tribromophenol    | 15.93 | 330 | 8631   | 4.30 | ng | -0.01 |
| 15) 2-Fluorobiphenyl        | 13.09 | 172 | 108972 | 3.28 | ng | 0.00  |
| 25) Fluoranthene-d10        | 19.21 | 212 | 858525 | 3.52 | ng | 0.00  |
| 29) Terphenyl-d14           | 19.80 | 244 | 219485 | 3.54 | ng | 0.00  |

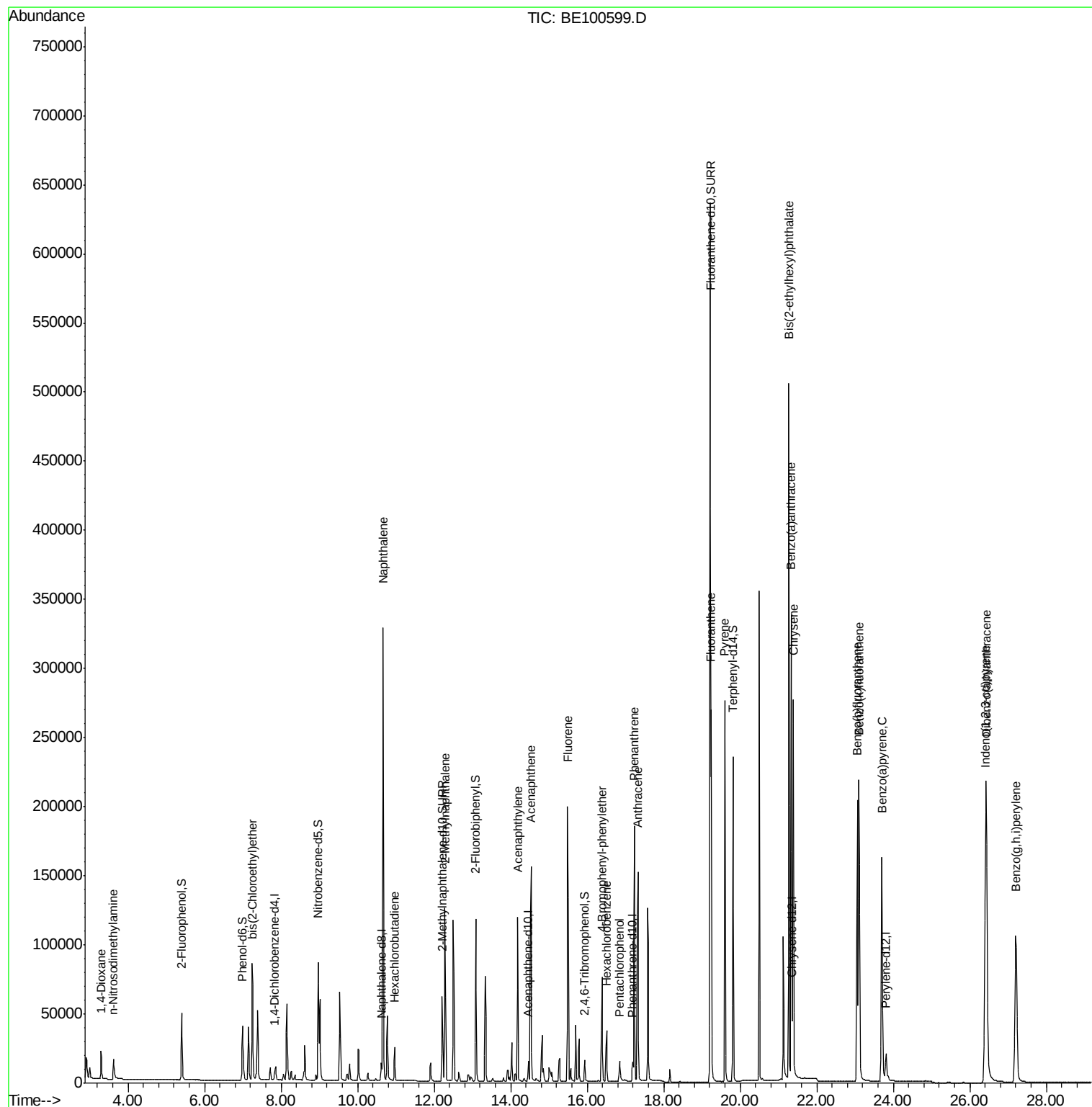
|                                |       |     |        |        |    |      |
|--------------------------------|-------|-----|--------|--------|----|------|
| Target Compounds               |       |     |        | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.30  | 88  | 15986  | 3.162  | ng | 91   |
| 3) n-Nitrosodimethylamine      | 3.61  | 42  | 9751   | 3.792  | ng | 100  |
| 6) bis(2-Chloroethyl)ether     | 7.25  | 93  | 34869  | 3.275  | ng | 95   |
| 9) Naphthalene                 | 10.67 | 128 | 517138 | 3.293  | ng | 100  |
| 10) Hexachlorobutadiene        | 10.97 | 225 | 16387  | 3.295  | ng | 99   |
| 12) 2-Methylnaphthalene        | 12.28 | 142 | 89132  | 3.466  | ng | 99   |
| 16) Acenaphthylene             | 14.18 | 152 | 138376 | 3.533  | ng | 100  |
| 17) Acenaphthene               | 14.53 | 154 | 90171  | 3.444  | ng | 97   |
| 18) Fluorene                   | 15.49 | 166 | 116025 | 3.518  | ng | 99   |
| 20) 4-Bromophenyl-phenylether  | 16.38 | 248 | 33793  | 3.529  | ng | 98   |
| 21) Hexachlorobenzene          | 16.50 | 284 | 27862  | 3.537  | ng | 99   |
| 22) Pentachlorophenol          | 16.84 | 266 | 10258  | 4.363  | ng | 89   |
| 23) Phenanthrene               | 17.23 | 178 | 191105 | 3.441  | ng | 100  |
| 24) Anthracene                 | 17.32 | 178 | 177690 | 3.708  | ng | 99   |
| 26) Fluoranthene               | 19.24 | 202 | 248746 | 3.609  | ng | 100  |
| 28) Pyrene                     | 19.60 | 202 | 246886 | 3.467  | ng | 100  |
| 30) Benzo(a)anthracene         | 21.33 | 228 | 273665 | 3.270  | ng | 99   |
| 31) Chrysene                   | 21.39 | 228 | 284847 | 3.291  | ng | 100  |
| 32) Bis(2-ethylhexyl)phthalate | 21.27 | 149 | 527020 | 2.341  | ng | 100  |
| 33) Indeno(1,2,3-cd)pyrene     | 26.41 | 276 | 332704 | 3.323  | ng | 99   |
| 35) Benzo(b)fluoranthene       | 23.06 | 252 | 282158 | 3.517  | ng | 99   |
| 36) Benzo(k)fluoranthene       | 23.10 | 252 | 319154 | 3.493  | ng | # 94 |
| 37) Benzo(a)pyrene             | 23.70 | 252 | 263502 | 3.537  | ng | 97   |
| 38) Dibenzo(a,h)anthracene     | 26.43 | 278 | 281786 | 3.684  | ng | 99   |
| 39) Benzo(g,h,i)perylene       | 27.20 | 276 | 272912 | 3.528  | ng | 99   |

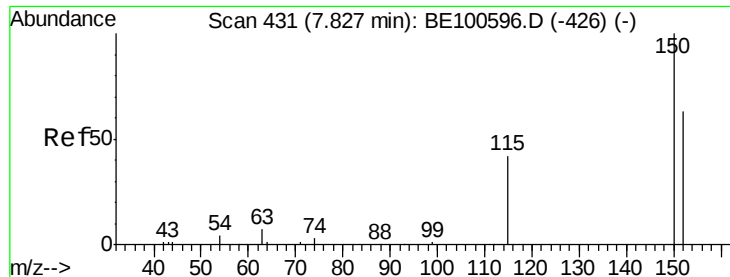
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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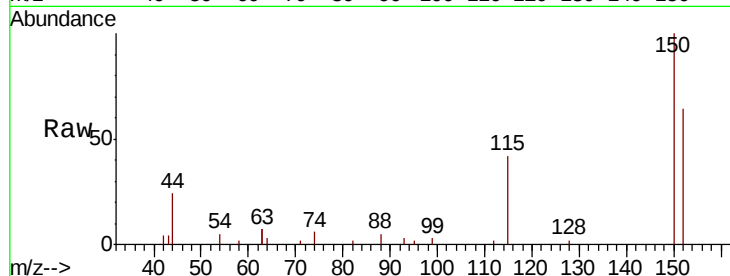


#1

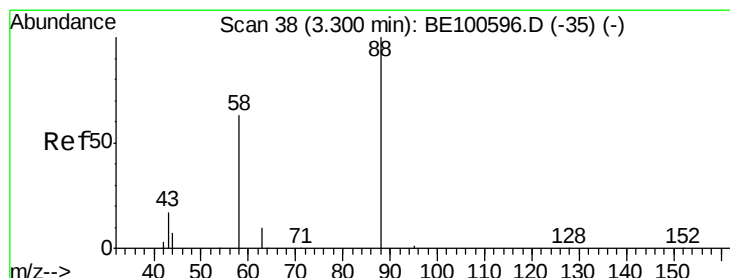
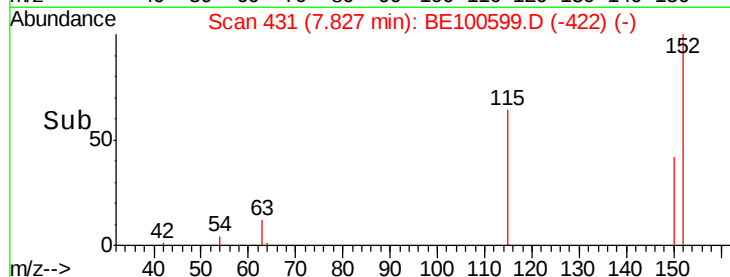
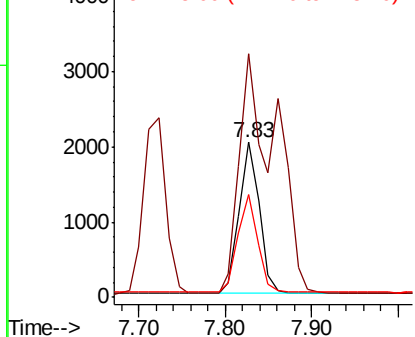
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.83 min Scan# 431  
Delta R.T. 0.00 min  
Lab File: BE100599.D  
Acq: 3 Oct 2019 16:24

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC3.2

Tot Ion:152 Resp: 3278  
Ion Ratio Lower Upper  
152 100  
150 156.9 126.5 189.7  
115 66.1 54.6 81.8



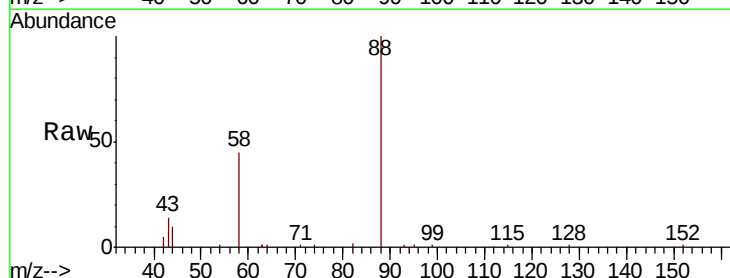
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



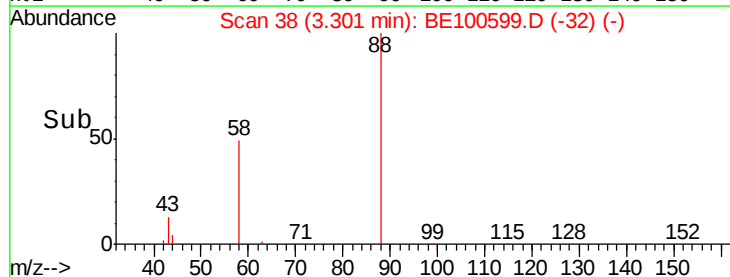
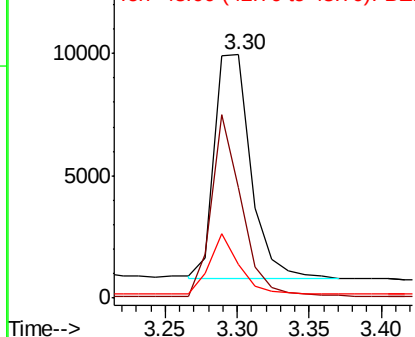
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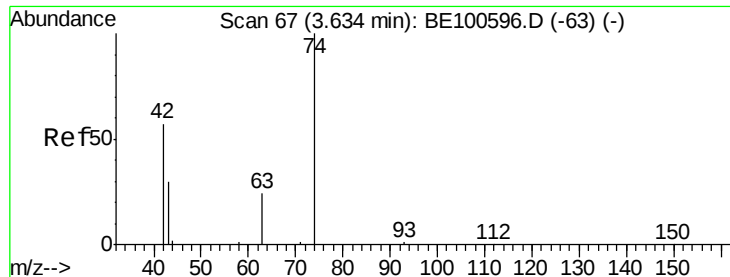
1,4-Dioxane  
Concen: 3.162 ng  
RT: 3.30 min Scan# 38  
Delta R.T. 0.00 min  
Lab File: BE100599.D  
Acq: 3 Oct 2019 16:24

Tgt Ion: 88 Resp: 15986  
Ion Ratio Lower Upper  
88 100  
58 67.3 48.1 72.1  
43 21.4 14.4 21.6



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



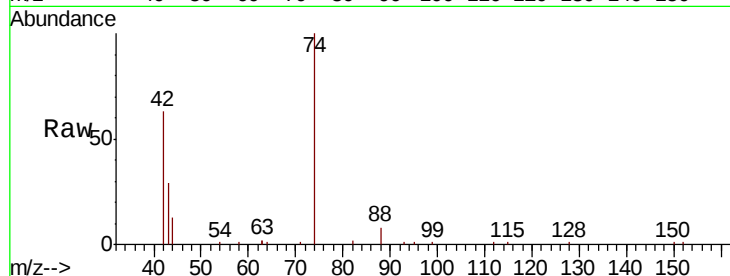


#3

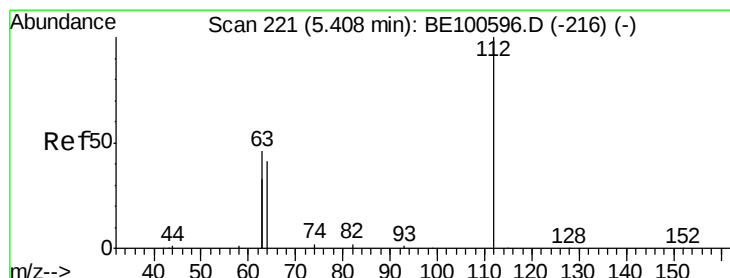
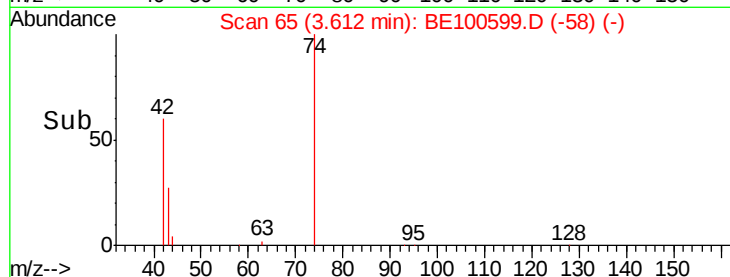
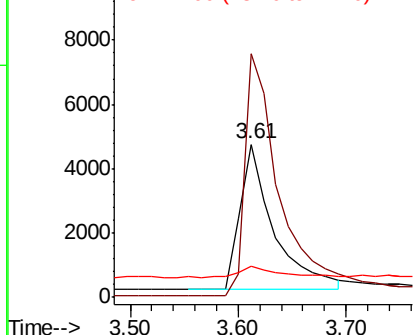
n-Nitrosodimethylamine  
 Concen: 3.792 ng  
 RT: 3.61 min Scan# 65  
 Delta R.T. -0.02 min  
 Lab File: BE100599.D  
 Acq: 3 Oct 2019 16:24

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC3.2

Tot Ion: 42 Resp: 9751  
 Ion Ratio Lower Upper  
 42 100  
 74 170.5 136.2 204.2  
 44 8.1 7.4 11.0



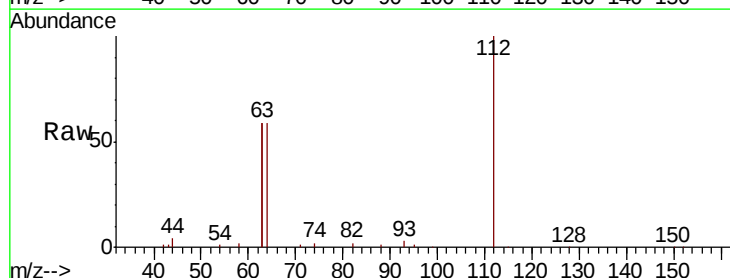
Abundance Ion 42.00 (41.70 to 42.70): BE1  
 Ion 74.00 (73.70 to 74.70): BE1  
 Ion 44.00 (43.70 to 44.70): BE1



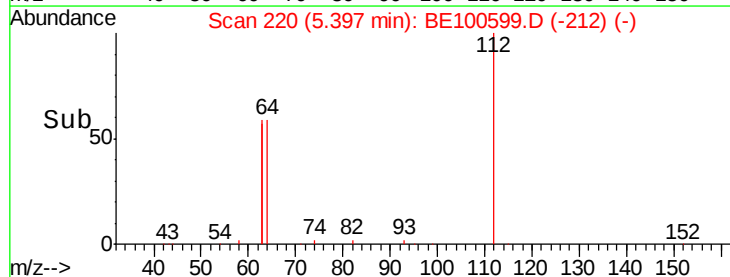
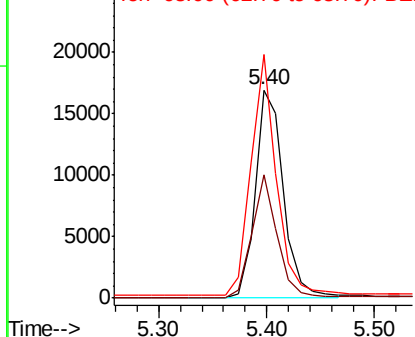
#4

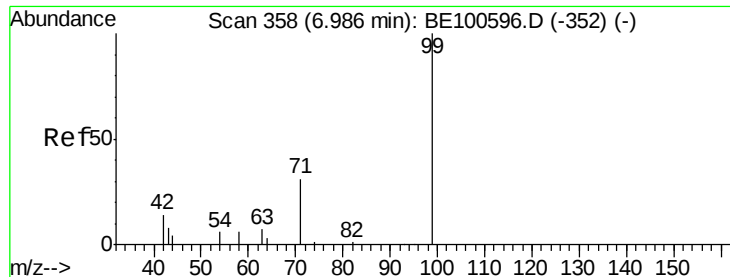
2-Fluorophenol  
 Concen: 3.408 ng  
 RT: 5.40 min Scan# 220  
 Delta R.T. -0.01 min  
 Lab File: BE100599.D  
 Acq: 3 Oct 2019 16:24

Tgt Ion: 112 Resp: 30453  
 Ion Ratio Lower Upper  
 112 100  
 64 53.5 43.7 65.5  
 63 104.7 84.5 126.7



Abundance Ion 112.00 (111.70 to 112.70): E  
 Ion 64.00 (63.70 to 64.70): BE1  
 Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 3.464 ng

RT: 6.99 min Scan# 358

Delta R.T. 0.00 min

Lab File: BE100599.D

Acq: 3 Oct 2019 16:24

Instrument :

BNA\_E

ClientSampleId :

SSTDICC3.2

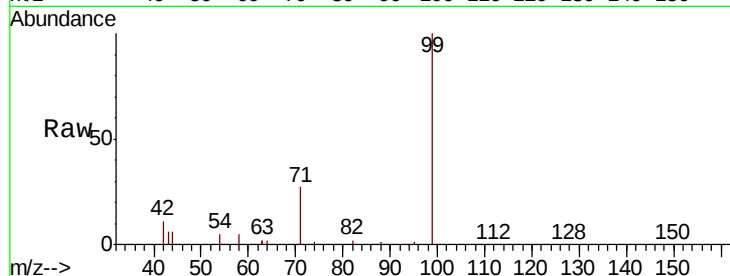
Tot Ion: 99 Resp: 39991

Ion Ratio Lower Upper

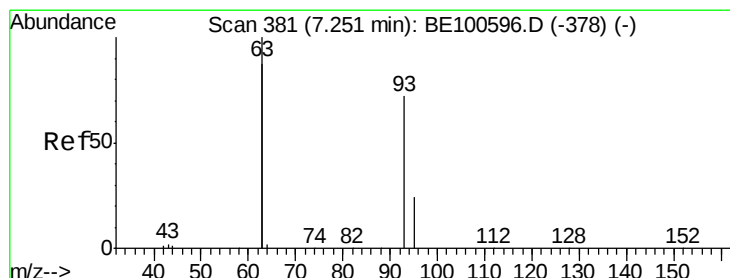
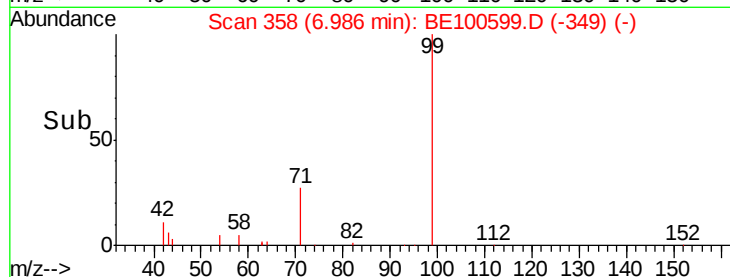
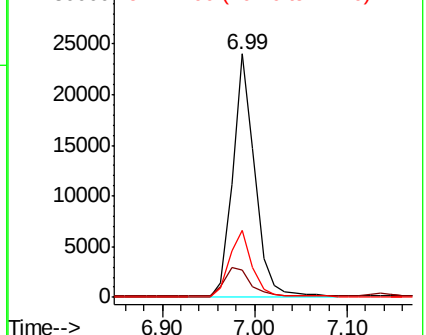
99 100

42 14.3 11.7 17.5

71 28.1 23.0 34.4



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: 3.275 ng

RT: 7.25 min Scan# 381

Delta R.T. 0.00 min

Lab File: BE100599.D

Acq: 3 Oct 2019 16:24

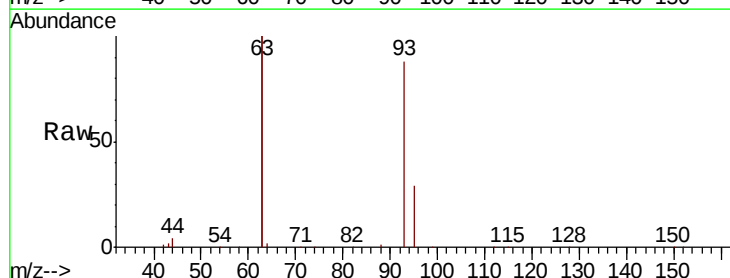
Tgt Ion: 93 Resp: 34869

Ion Ratio Lower Upper

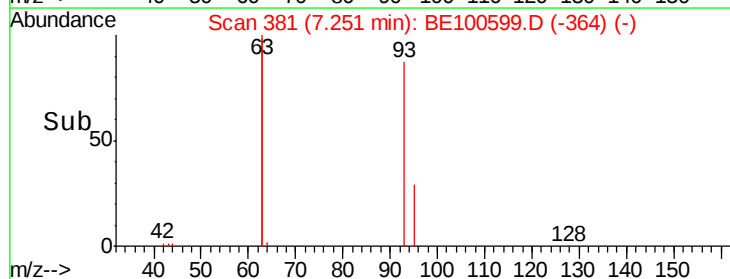
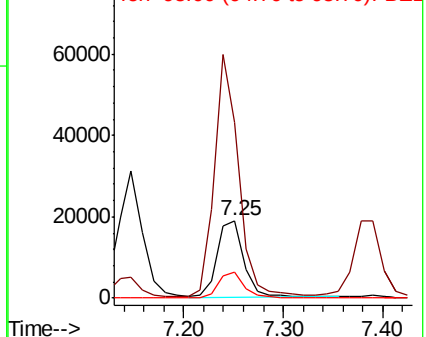
93 100

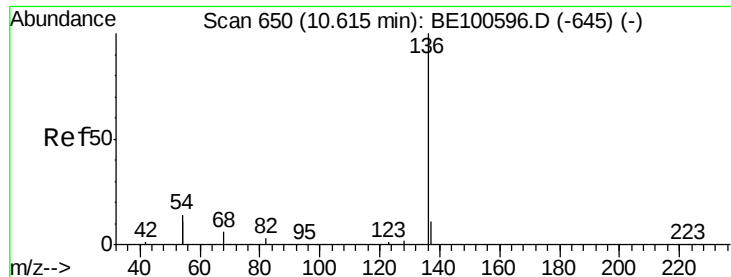
63 285.8 221.0 331.4

95 32.3 25.4 38.0



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: 10.61 min Scan# 650

Delta R.T. 0.00 min

Lab File: BE100599.D

Acq: 3 Oct 2019 16:24

Instrument :

BNA\_E

ClientSampleId :

SSTDICC3.2

Tot Ion:136 Resp: 15212

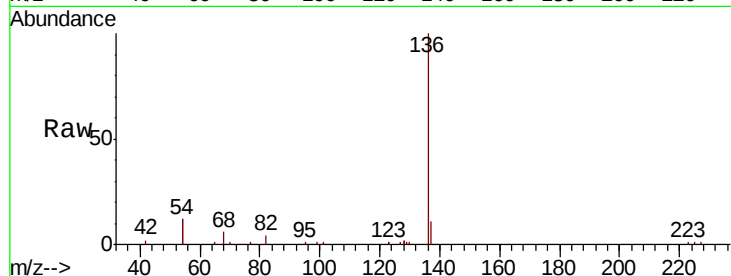
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 23.6 22.4 33.6

68 5.7 5.2 7.8

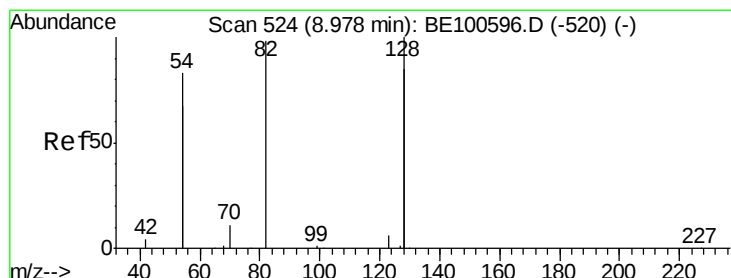
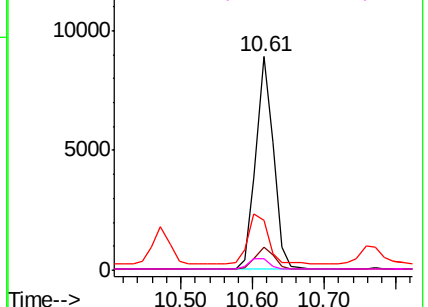
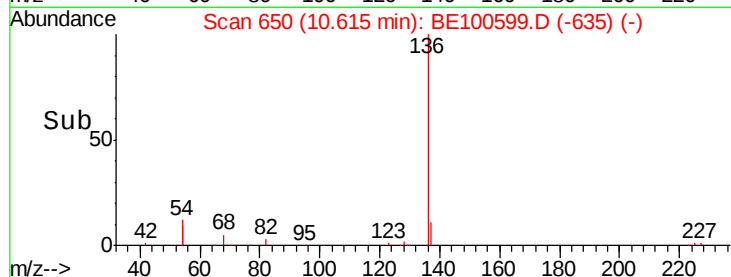


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.483 ng

RT: 8.97 min Scan# 523

Delta R.T. -0.01 min

Lab File: BE100599.D

Acq: 3 Oct 2019 16:24

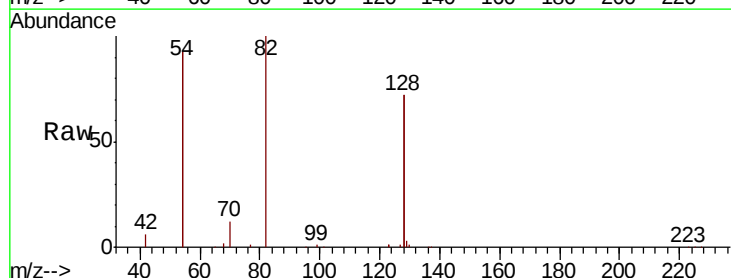
Tgt Ion: 82 Resp: 34328

Ion Ratio Lower Upper

82 100

128 143.3 154.7 232.1#

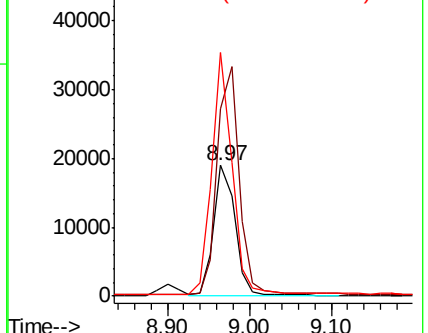
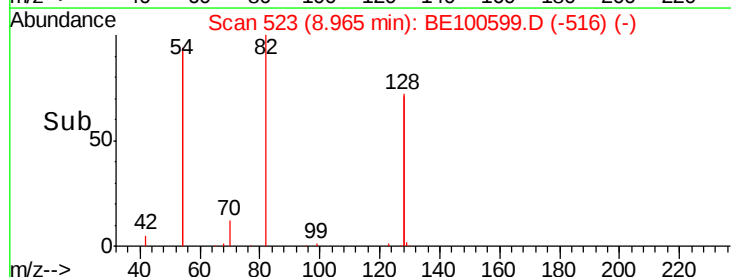
54 186.0 128.5 192.7

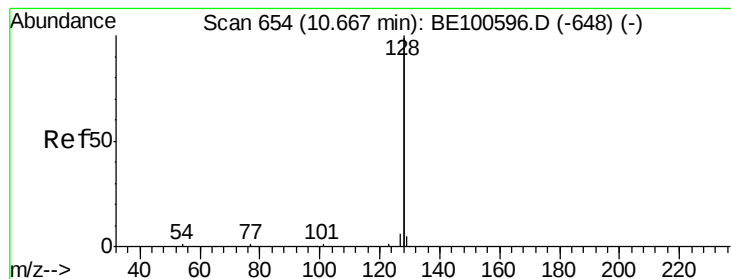


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 3.293 ng

RT: 10.67 min Scan# 654

Delta R.T. 0.00 min

Lab File: BE100599.D

Acq: 3 Oct 2019 16:24

Instrument :

BNA\_E

ClientSampleId :

SSTDIC3.2

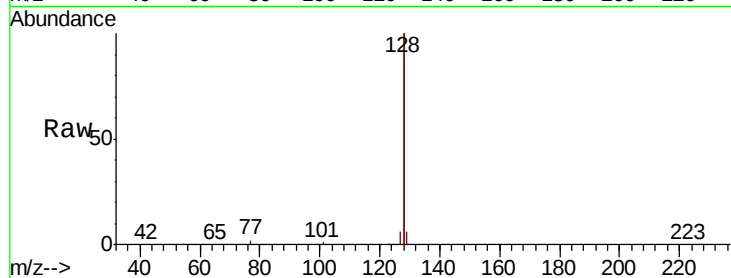
Tot Ion:128 Resp: 517138

Ion Ratio Lower Upper

128 100

129 2.8 2.2 3.4

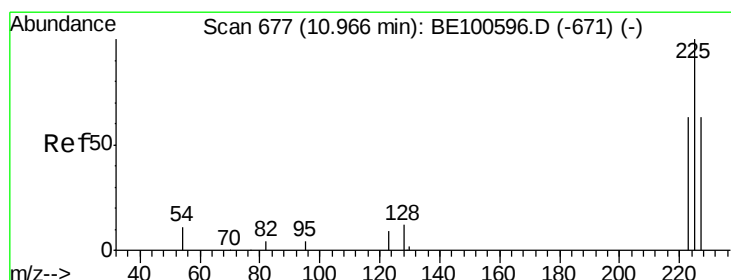
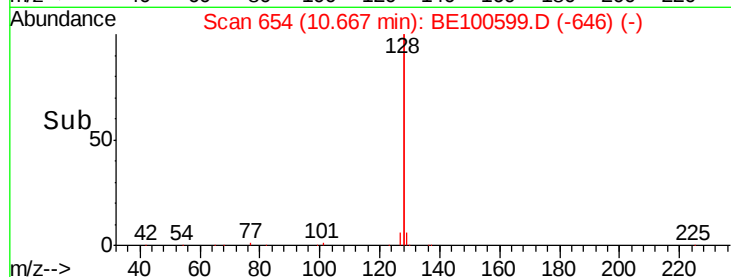
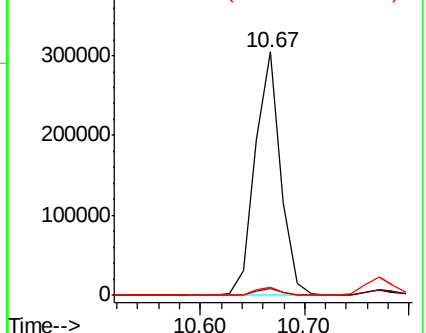
127 3.1 2.6 4.0



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: 3.295 ng

RT: 10.97 min Scan# 677

Delta R.T. 0.00 min

Lab File: BE100599.D

Acq: 3 Oct 2019 16:24

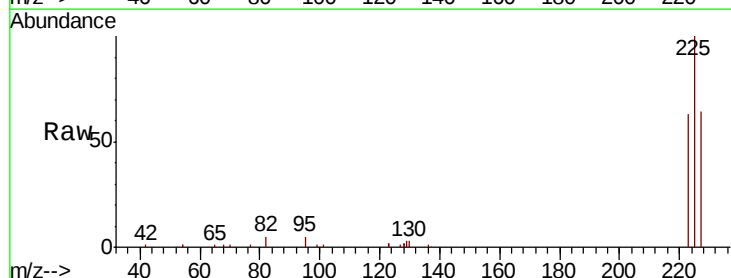
Tgt Ion:225 Resp: 16387

Ion Ratio Lower Upper

225 100

223 62.8 49.8 74.8

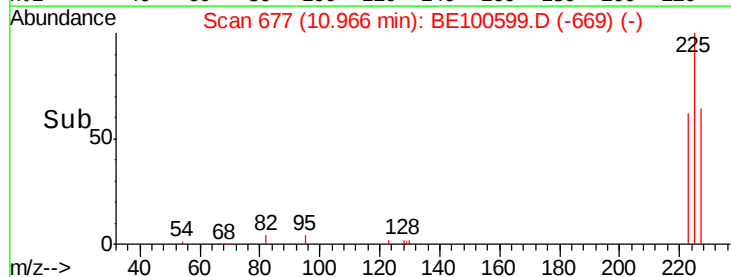
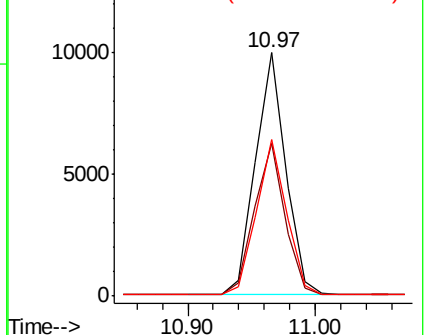
227 63.8 50.1 75.1

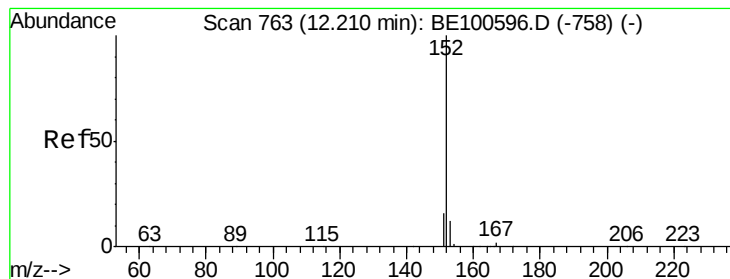


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 3.453 ng

RT: 12.21 min Scan# 763

Delta R.T. -0.00 min

Lab File: BE100599.D

Acq: 3 Oct 2019 16:24

Instrument :

BNA\_E

ClientSampleId :

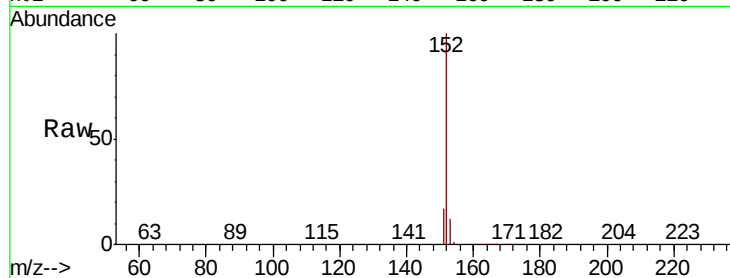
SSTDICC3.2

Tot Ion:152 Resp: 77642

Ion Ratio Lower Upper

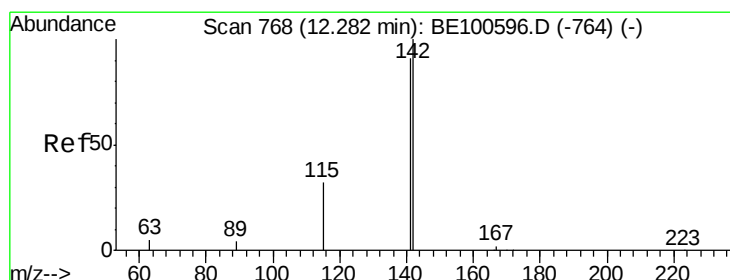
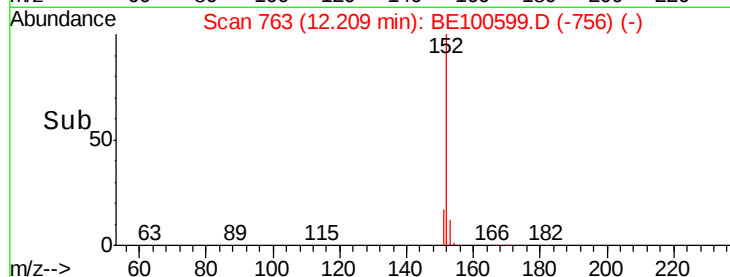
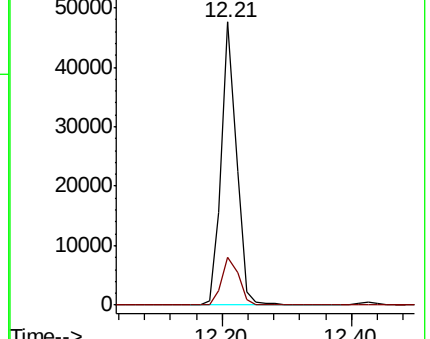
152 100

151 19.2 15.2 22.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 3.466 ng

RT: 12.28 min Scan# 768

Delta R.T. -0.00 min

Lab File: BE100599.D

Acq: 3 Oct 2019 16:24

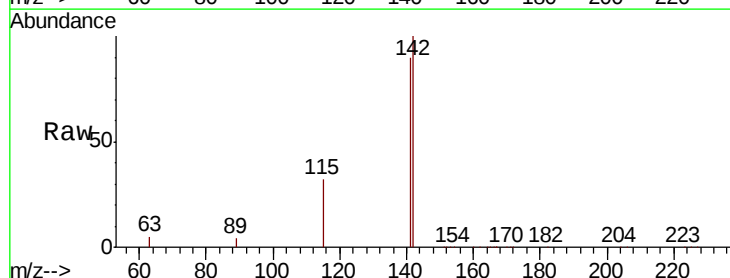
Tgt Ion:142 Resp: 89132

Ion Ratio Lower Upper

142 100

141 89.8 72.6 108.8

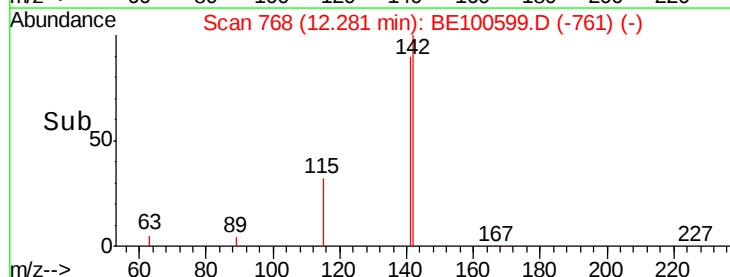
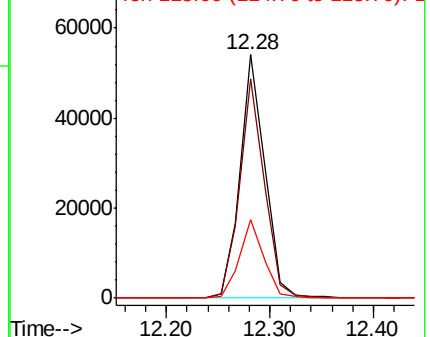
115 32.0 26.6 40.0

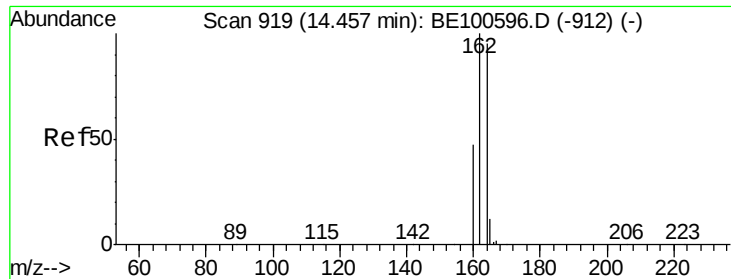


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

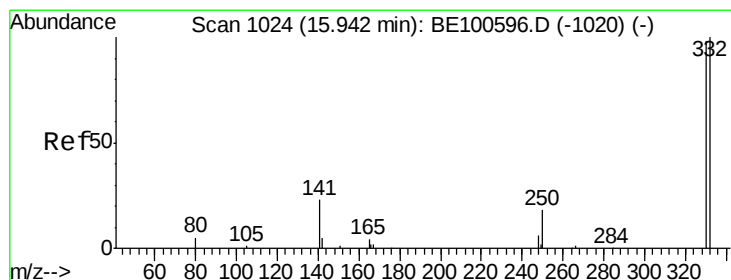
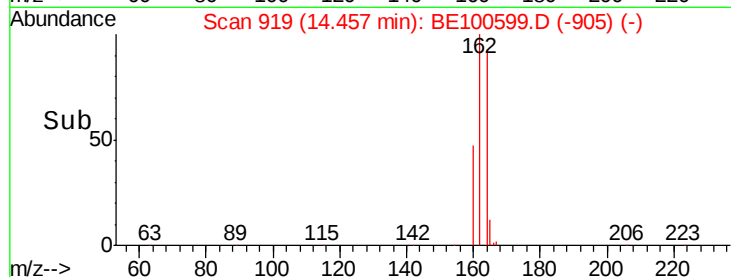
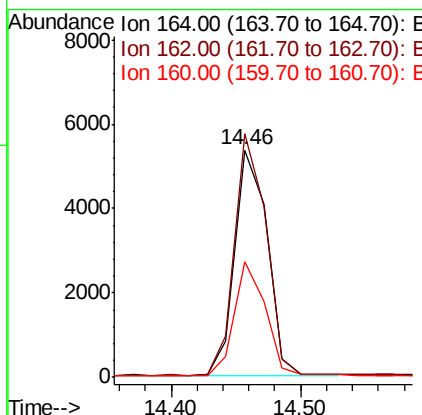
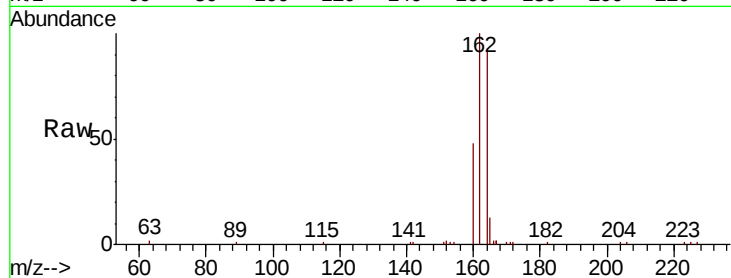




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.46 min Scan# 919  
Delta R.T. -0.00 min  
Lab File: BE100599.D  
Acq: 3 Oct 2019 16:24

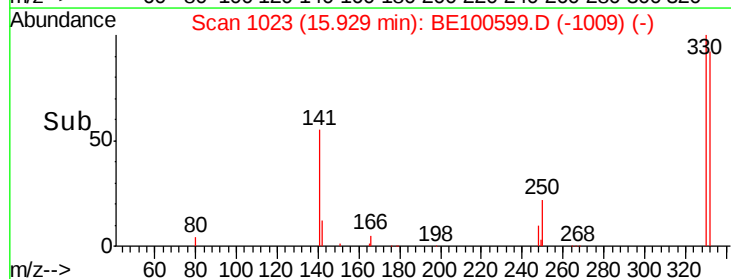
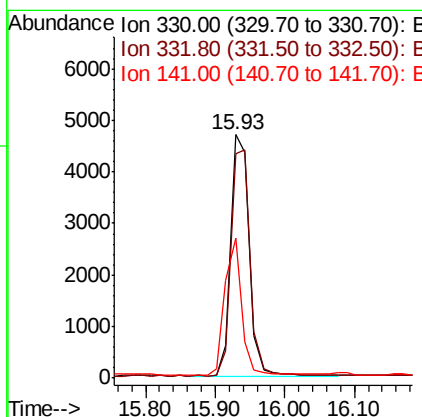
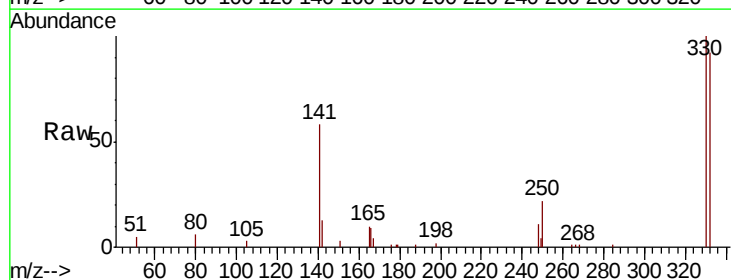
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC3.2

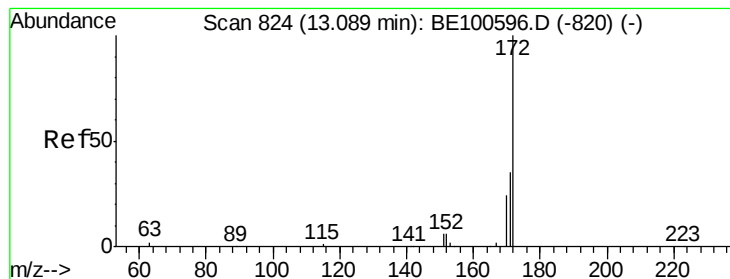
Tot Ion:164 Resp: 9183  
Ion Ratio Lower Upper  
164 100  
162 107.2 84.2 126.4  
160 51.0 40.2 60.4



#14  
2,4,6-Tribromophenol  
Concen: 4.300 ng  
RT: 15.93 min Scan# 1023  
Delta R.T. -0.01 min  
Lab File: BE100599.D  
Acq: 3 Oct 2019 16:24

Tgt Ion:330 Resp: 8631  
Ion Ratio Lower Upper  
330 100  
332 97.3 78.5 117.7  
141 51.1 39.4 59.0





#15

2-Fluorobiphenyl

Concen: 3.280 ng

RT: 13.09 min Scan# 824

Delta R.T. -0.00 min

Lab File: BE100599.D

Acq: 3 Oct 2019 16:24

Instrument :

BNA\_E

ClientSampleId :

SSTDICC3.2

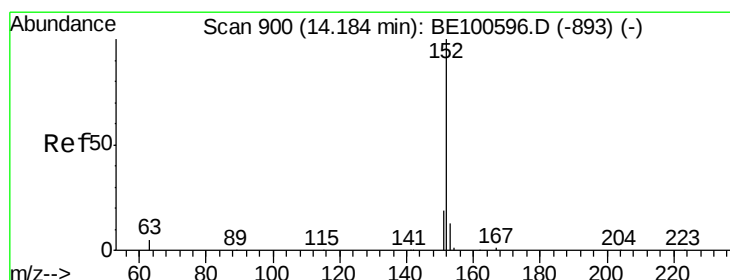
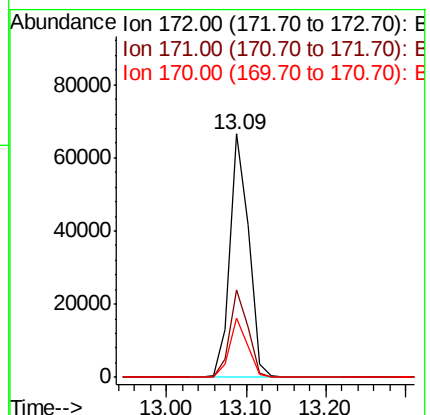
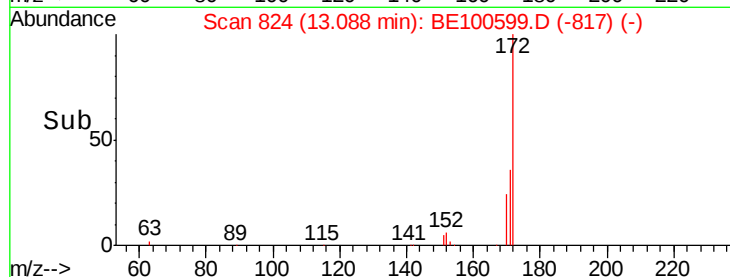
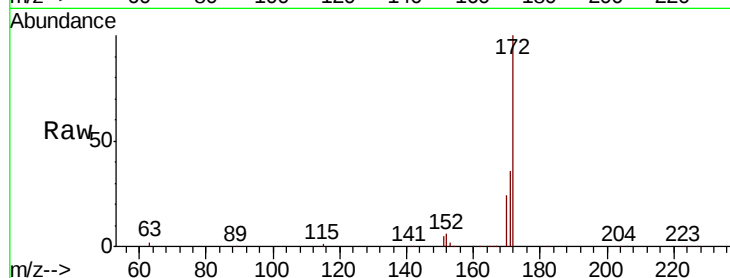
Tot Ion:172 Resp: 108972

Ion Ratio Lower Upper

172 100

171 35.8 28.7 43.1

170 24.2 19.8 29.8



#16

Acenaphthylene

Concen: 3.533 ng

RT: 14.18 min Scan# 900

Delta R.T. -0.00 min

Lab File: BE100599.D

Acq: 3 Oct 2019 16:24

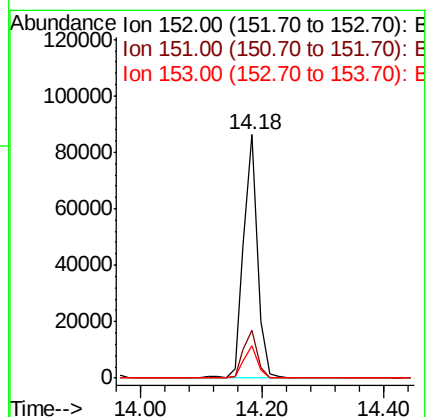
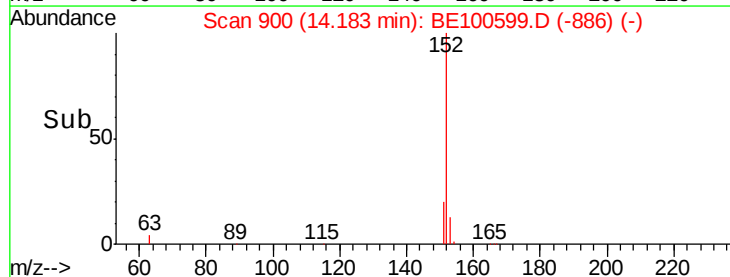
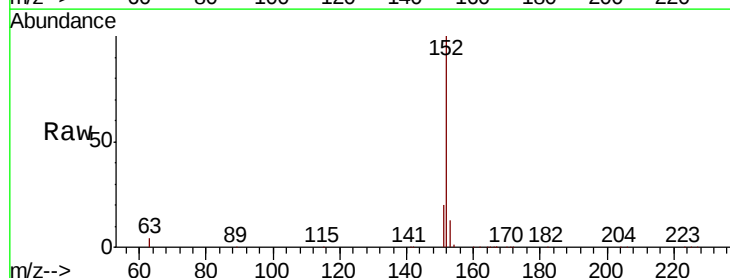
Tgt Ion:152 Resp: 138376

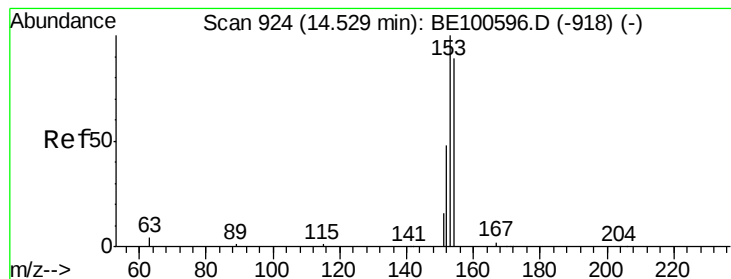
Ion Ratio Lower Upper

152 100

151 19.7 15.5 23.3

153 13.0 10.4 15.6





#17

Acenaphthene

Concen: 3.444 ng

RT: 14.53 min Scan# 924

Delta R.T. -0.00 min

Lab File: BE100599.D

Acq: 3 Oct 2019 16:24

Instrument :

BNA\_E

ClientSampleId :

SSTDICC3.2

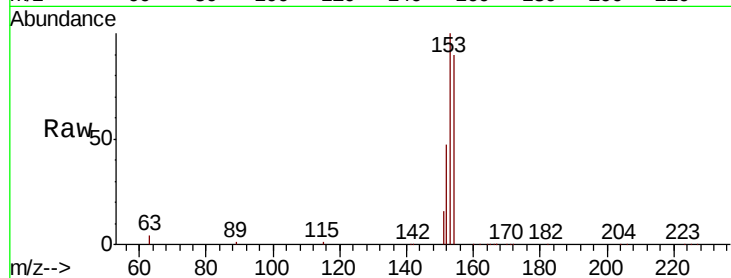
Tot Ion:154 Resp: 90171

Ion Ratio Lower Upper

154 100

153 112.0 92.3 138.5

152 54.9 46.2 69.2

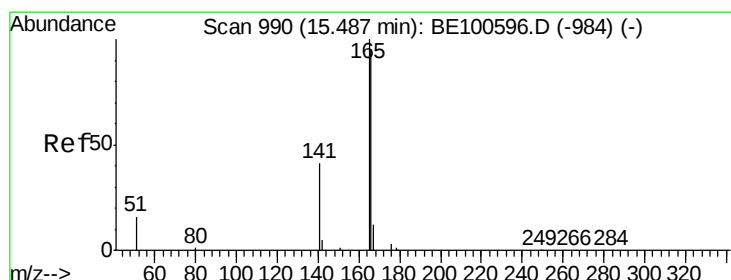
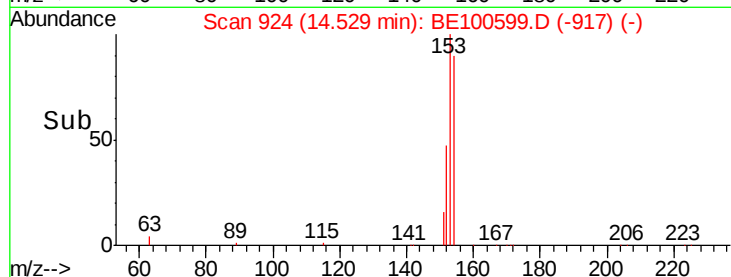
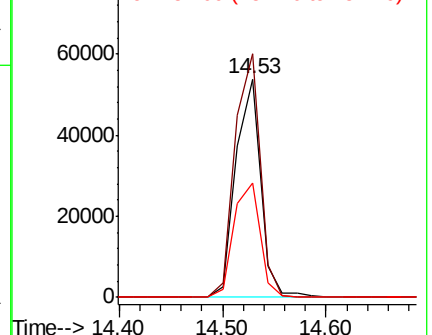


Abundance

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: 3.518 ng

RT: 15.49 min Scan# 990

Delta R.T. 0.00 min

Lab File: BE100599.D

Acq: 3 Oct 2019 16:24

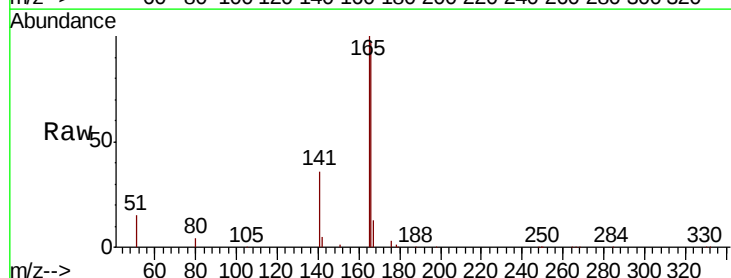
Tgt Ion:166 Resp: 116025

Ion Ratio Lower Upper

166 100

165 99.4 80.4 120.6

167 13.4 10.6 15.8

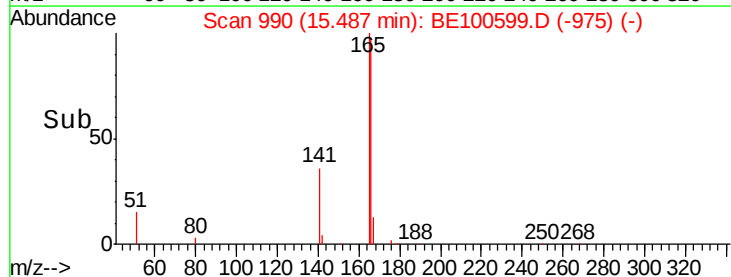
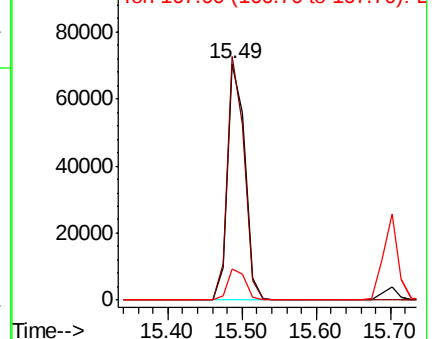


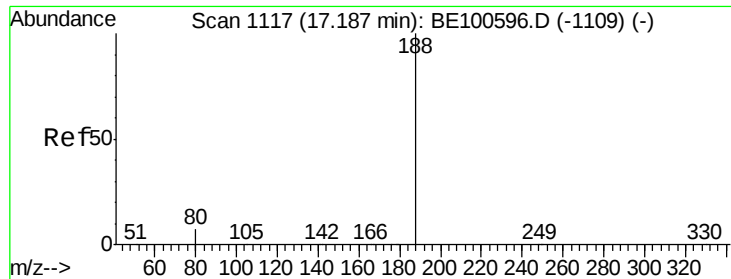
Abundance

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

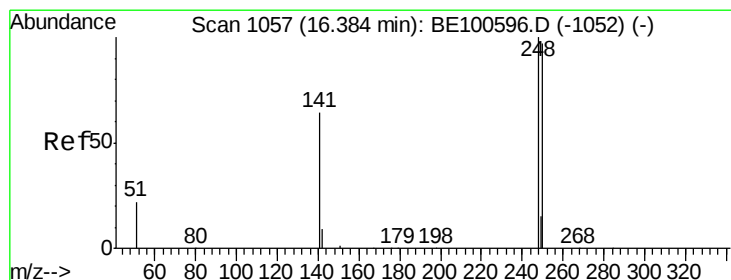
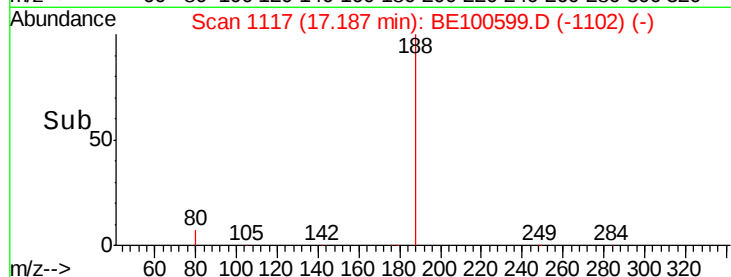
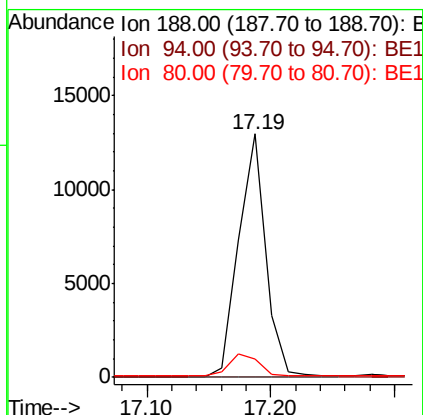
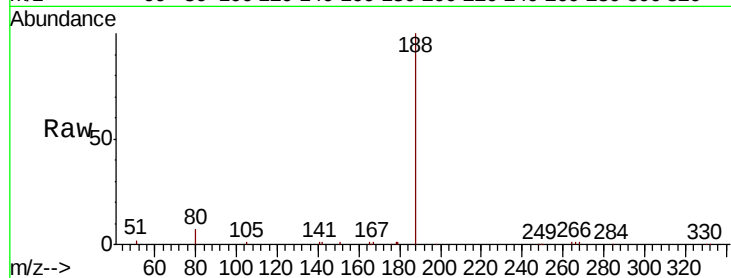




#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.19 min Scan# 1117  
Delta R.T. 0.00 min  
Lab File: BE100599.D  
Acq: 3 Oct 2019 16:24

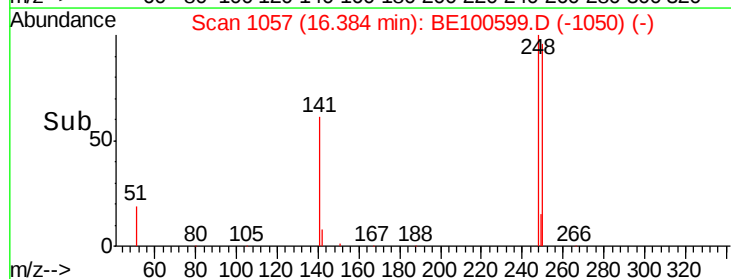
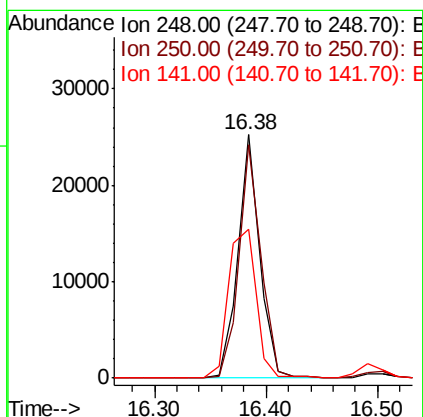
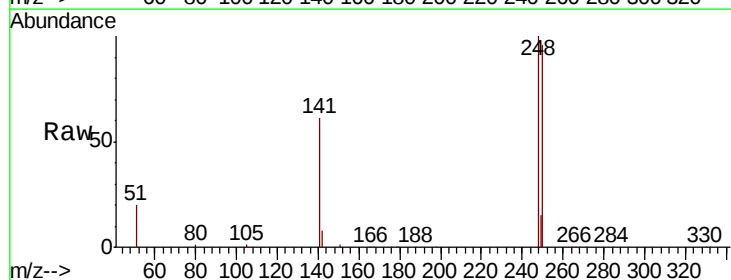
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC3.2

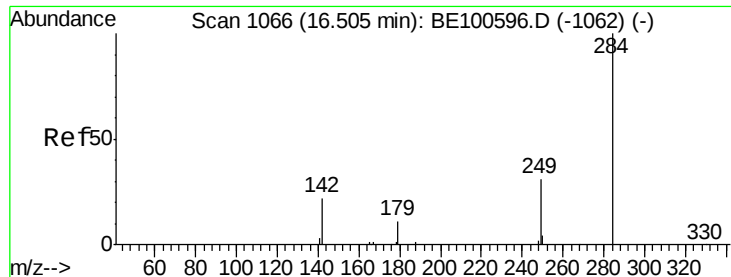
Tot Ion:188 Resp: 19578  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 7.4 6.2 9.2



#20  
4-Bromophenyl-phenylether  
Concen: 3.529 ng  
RT: 16.38 min Scan# 1057  
Delta R.T. 0.00 min  
Lab File: BE100599.D  
Acq: 3 Oct 2019 16:24

Tgt Ion:248 Resp: 33793  
Ion Ratio Lower Upper  
248 100  
250 96.1 77.4 116.0  
141 61.3 52.1 78.1

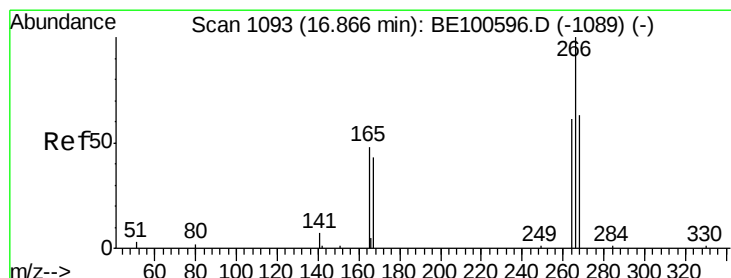
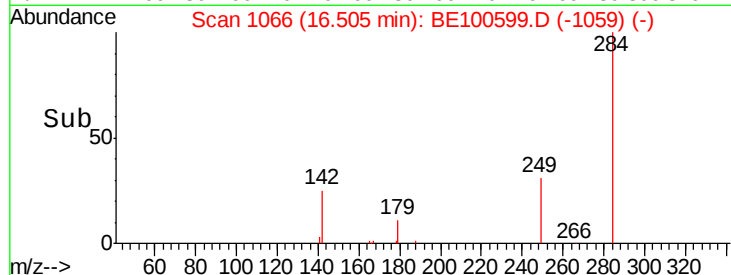
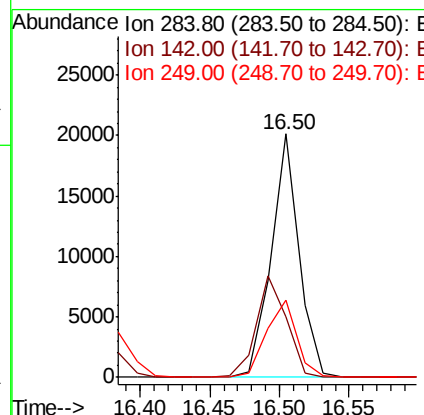
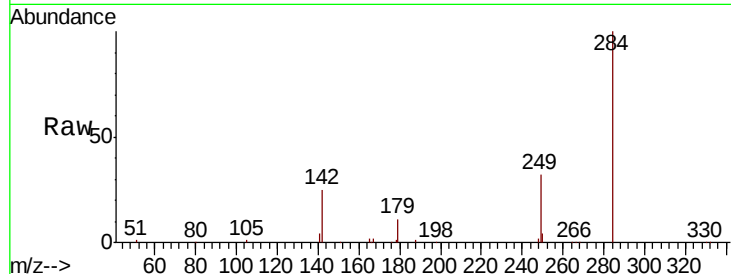




#21  
Hexachlorobenzene  
Concen: 3.537 ng  
RT: 16.50 min Scan# 1066  
Delta R.T. 0.00 min  
Lab File: BE100599.D  
Acq: 3 Oct 2019 16:24

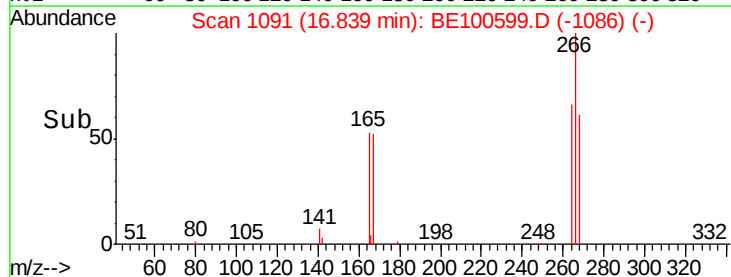
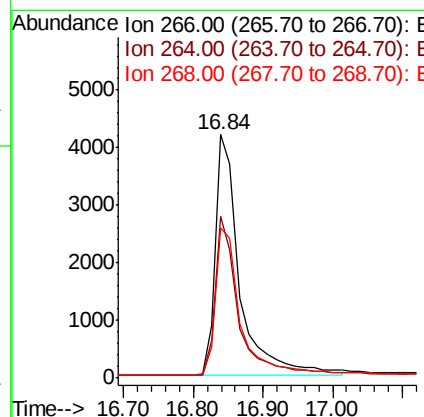
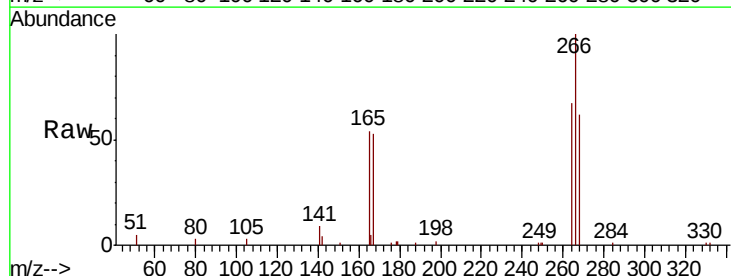
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC3.2

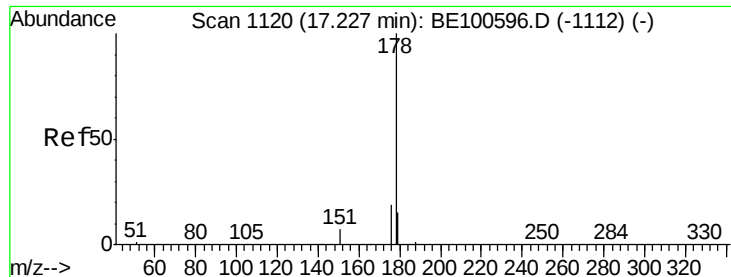
|             |       |           |
|-------------|-------|-----------|
| Tot Ion:284 | Resp: | 27862     |
| Ion Ratio   | Lower | Upper     |
| 284         | 100   |           |
| 142         | 44.8  | 35.1 52.7 |
| 249         | 34.2  | 27.2 40.8 |



#22  
Pentachlorophenol  
Concen: 4.363 ng  
RT: 16.84 min Scan# 1091  
Delta R.T. -0.03 min  
Lab File: BE100599.D  
Acq: 3 Oct 2019 16:24

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:266 | Resp: | 10258     |
| Ion Ratio   | Lower | Upper     |
| 266         | 100   |           |
| 264         | 66.5  | 56.3 84.5 |
| 268         | 61.8  | 60.3 90.5 |

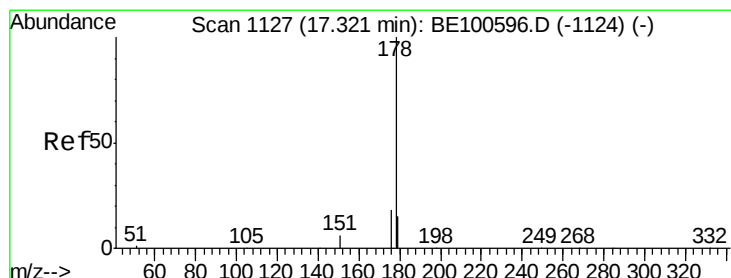
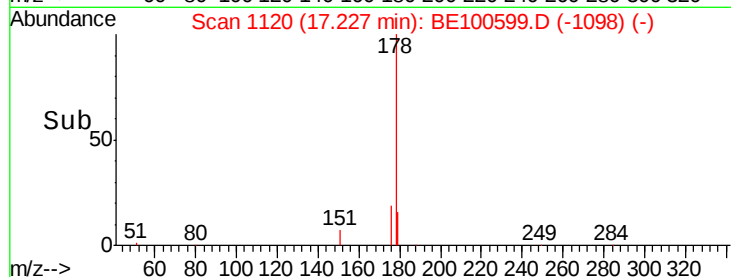
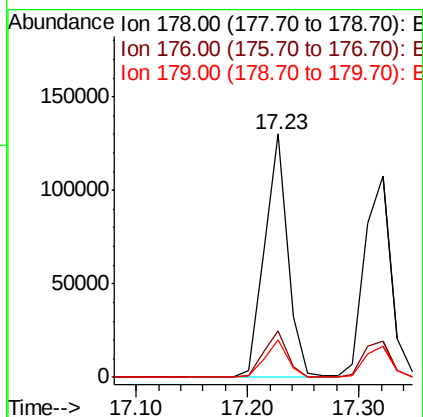
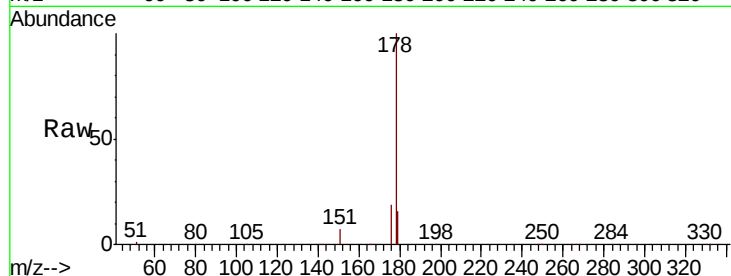




#23  
Phenanthrene  
Concen: 3.441 ng  
RT: 17.23 min Scan# 1120  
Delta R.T. 0.00 min  
Lab File: BE100599.D  
Acq: 3 Oct 2019 16:24

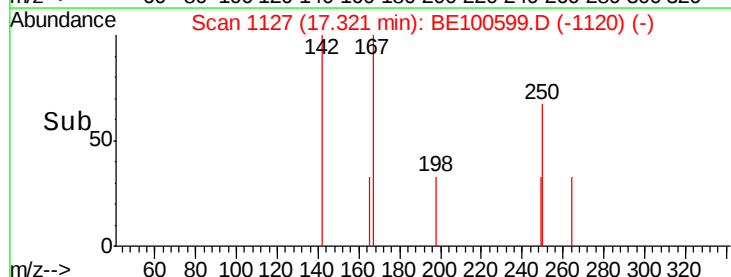
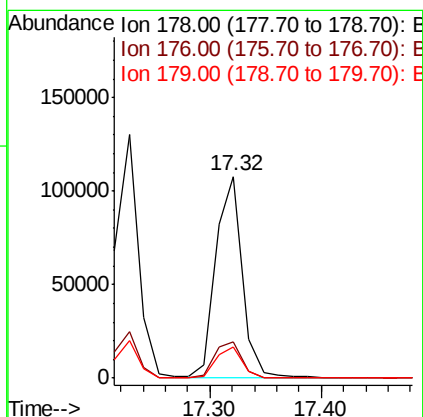
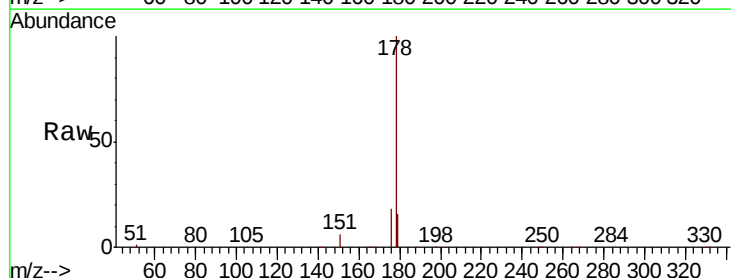
Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC3.2

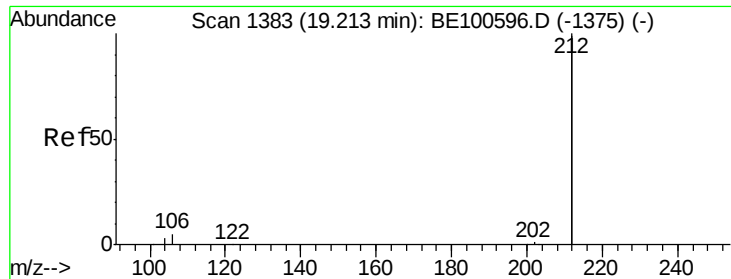
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.4  | 15.4  | 23.2  |
| 179     | 15.3  | 12.3  | 18.5  |



#24  
Anthracene  
Concen: 3.708 ng  
RT: 17.32 min Scan# 1127  
Delta R.T. 0.00 min  
Lab File: BE100599.D  
Acq: 3 Oct 2019 16:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.8  | 14.7  | 22.1  |
| 179     | 15.3  | 12.2  | 18.4  |





#25

Fluoranthene-d10

Concen: 3.517 ng

RT: 19.21 min Scan# 1383

Delta R.T. 0.00 min

Lab File: BE100599.D

Acq: 3 Oct 2019 16:24

Instrument :

BNA\_E

ClientSampleId :

SSTDICC3.2

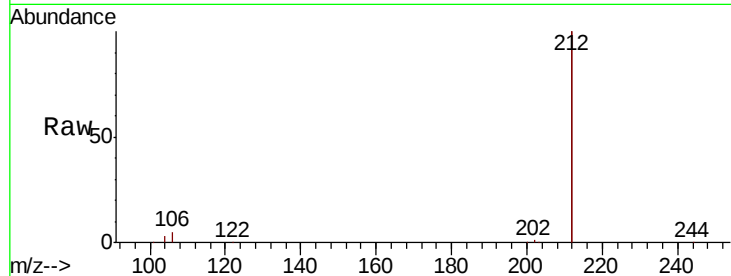
Tot Ion:212 Resp: 858525

Ion Ratio Lower Upper

212 100

106 3.0 2.3 3.5

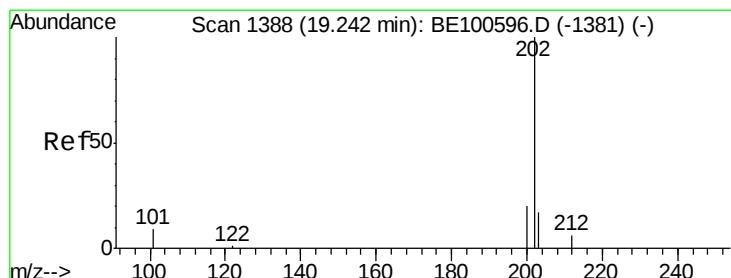
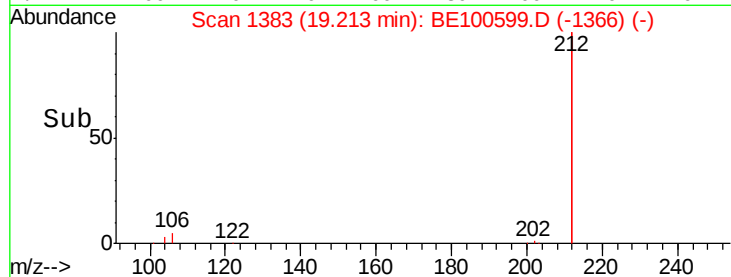
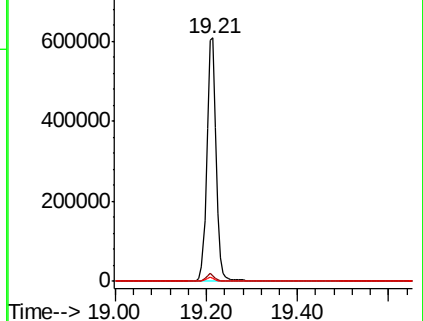
104 1.7 1.3 1.9



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: 3.609 ng

RT: 19.24 min Scan# 1388

Delta R.T. 0.00 min

Lab File: BE100599.D

Acq: 3 Oct 2019 16:24

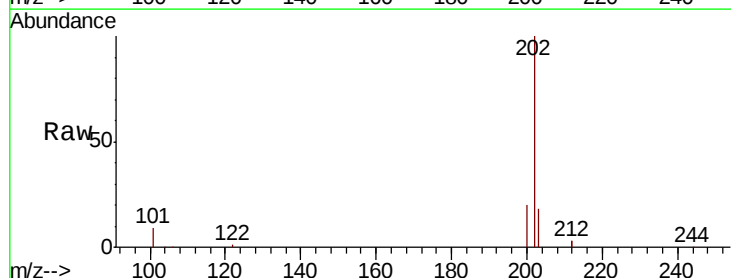
Tgt Ion:202 Resp: 248746

Ion Ratio Lower Upper

202 100

101 10.9 8.6 12.8

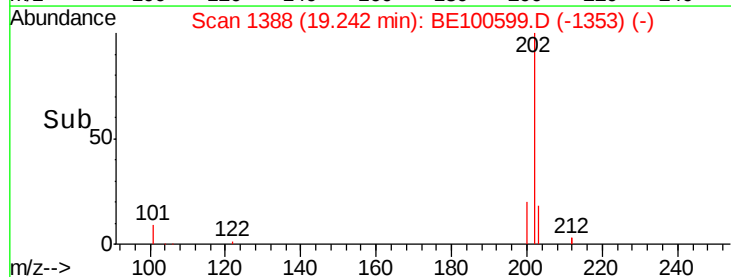
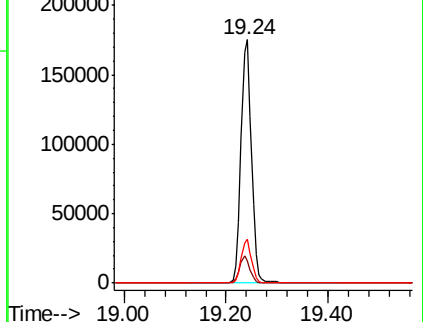
203 17.4 13.8 20.6

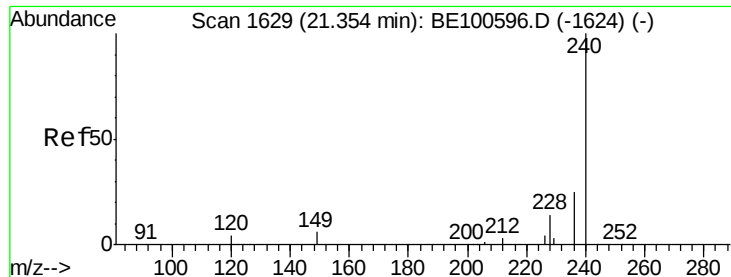


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.35 min Scan# 1629

Delta R.T. -0.00 min

Lab File: BE100599.D

Acq: 3 Oct 2019 16:24

Instrument :

BNA\_E

ClientSampleId :

SSTDICC3.2

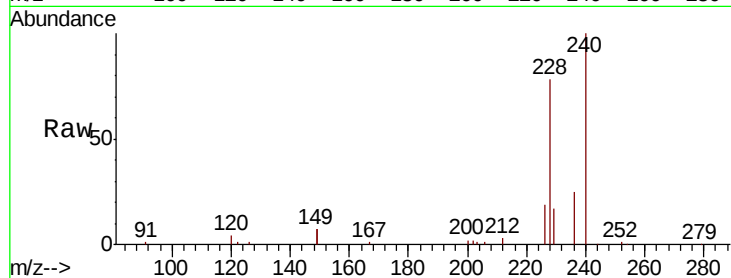
Tot Ion:240 Resp: 28730

Ion Ratio Lower Upper

240 100

120 3.9 3.6 5.4

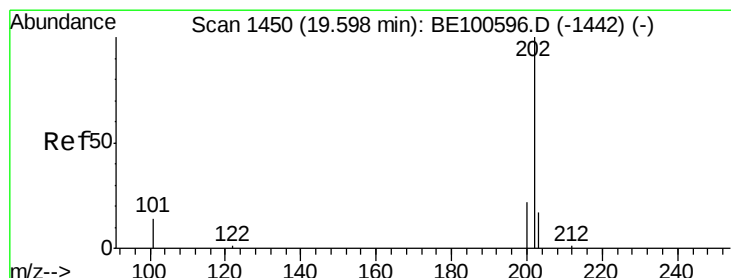
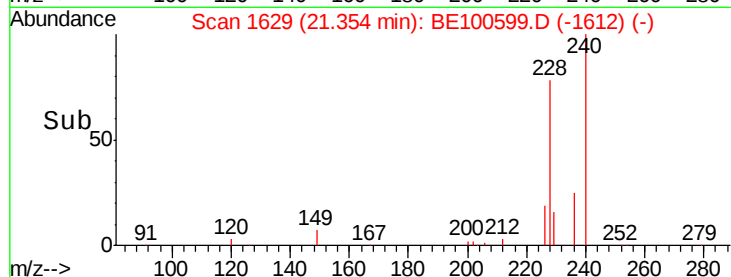
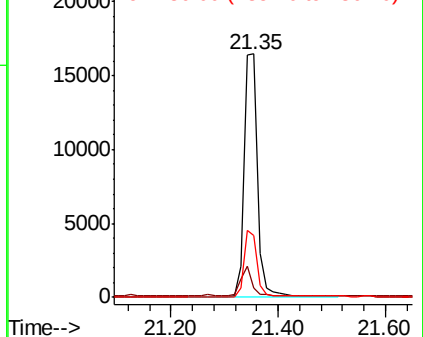
236 25.3 20.5 30.7



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: 3.467 ng

RT: 19.60 min Scan# 1450

Delta R.T. 0.00 min

Lab File: BE100599.D

Acq: 3 Oct 2019 16:24

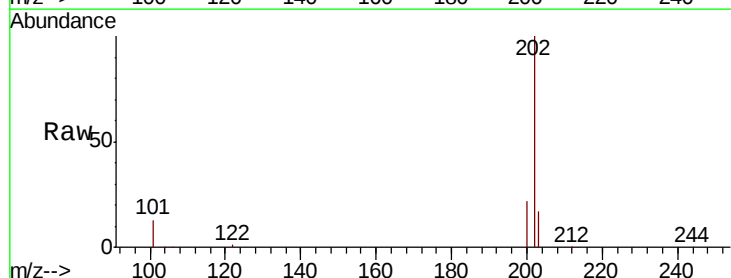
Tgt Ion:202 Resp: 246886

Ion Ratio Lower Upper

202 100

200 21.1 16.8 25.2

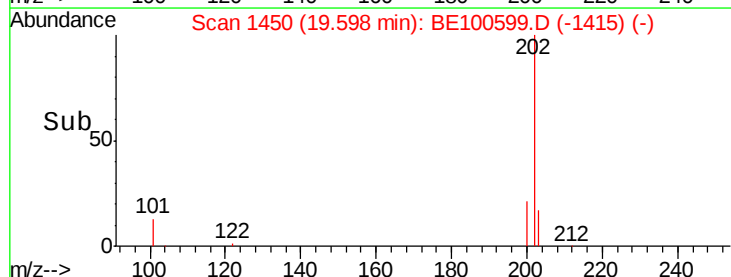
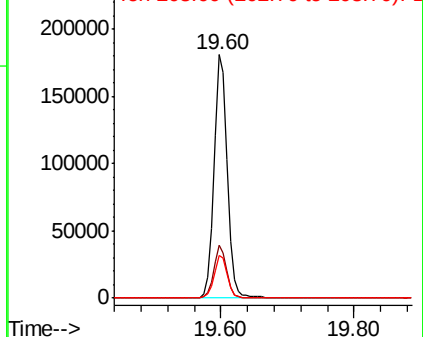
203 17.7 14.1 21.1

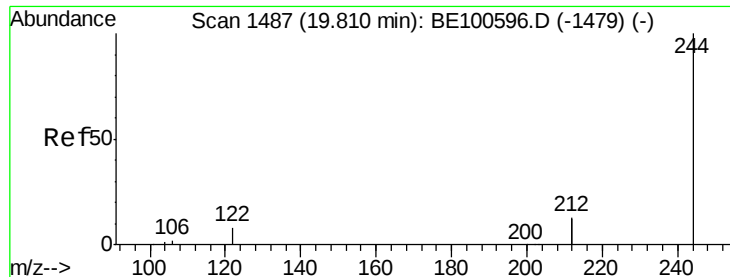


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 3.544 ng

RT: 19.80 min Scan# 1486

Delta R.T. -0.01 min

Lab File: BE100599.D

Acq: 3 Oct 2019 16:24

Instrument :

BNA\_E

ClientSampleId :

SSTDICC3.2

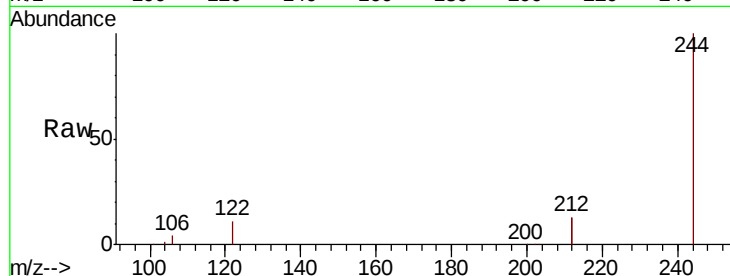
Tot Ion:244 Resp: 219485

Ion Ratio Lower Upper

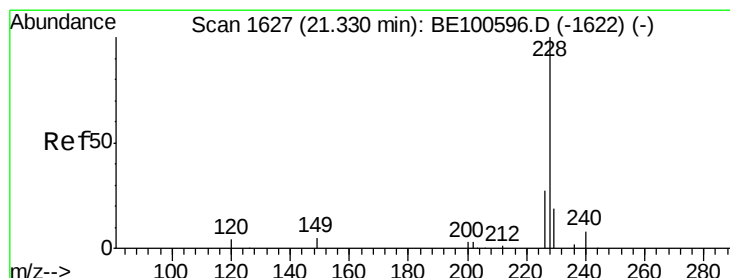
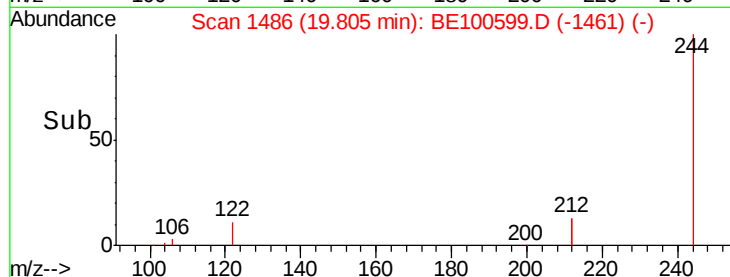
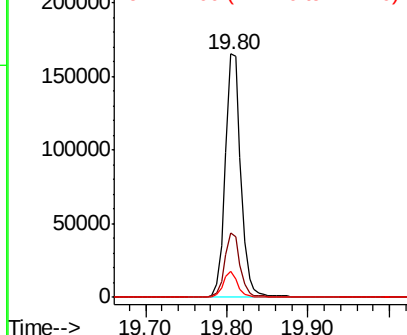
244 100

212 26.6 20.6 31.0

122 10.7 6.5 9.7#



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: 3.270 ng

RT: 21.33 min Scan# 1627

Delta R.T. -0.00 min

Lab File: BE100599.D

Acq: 3 Oct 2019 16:24

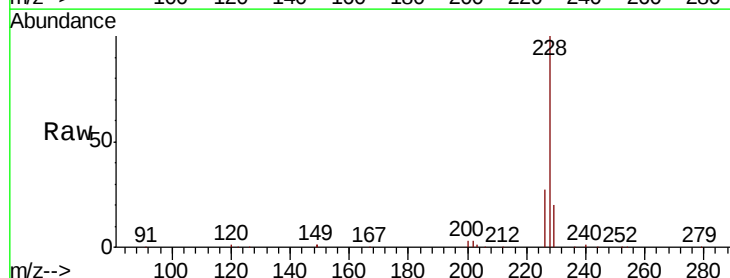
Tgt Ion:228 Resp: 273665

Ion Ratio Lower Upper

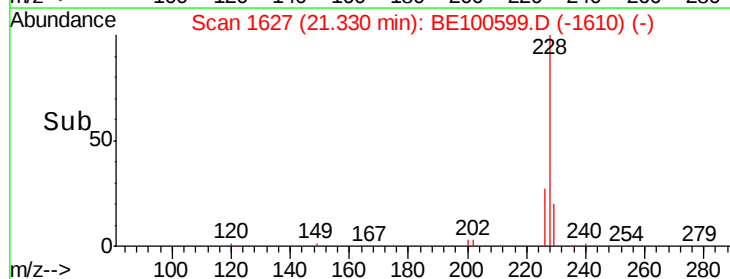
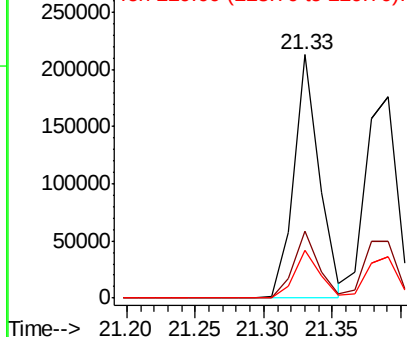
228 100

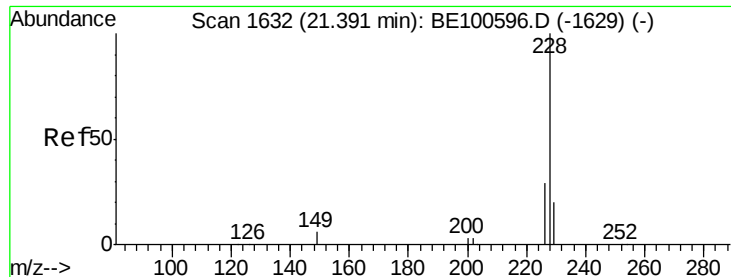
226 27.3 21.5 32.3

229 19.7 15.6 23.4



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: 3.291 ng

RT: 21.39 min Scan# 1632

Delta R.T. -0.00 min

Lab File: BE100599.D

Acq: 3 Oct 2019 16:24

Instrument :

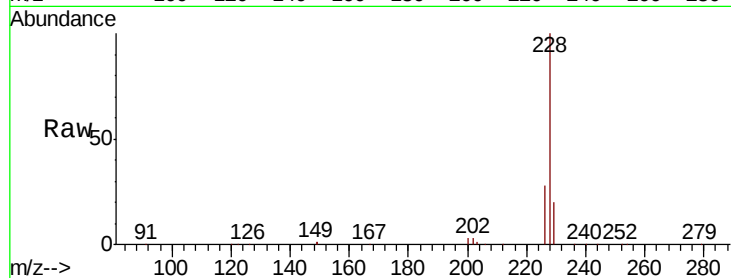
BNA\_E

ClientSampleId :

SSTDICC3.2

Tot Ion:228 Resp: 284847

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 28.5  | 22.7  | 34.1  |
| 229 | 20.3  | 16.3  | 24.5  |

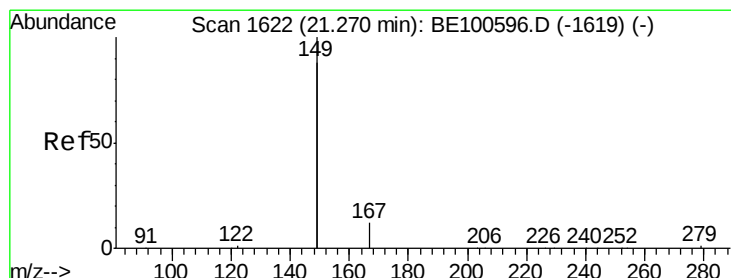
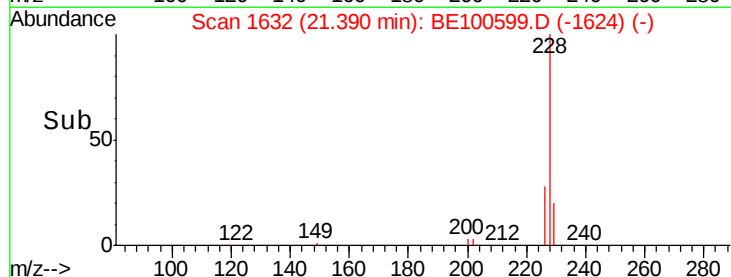
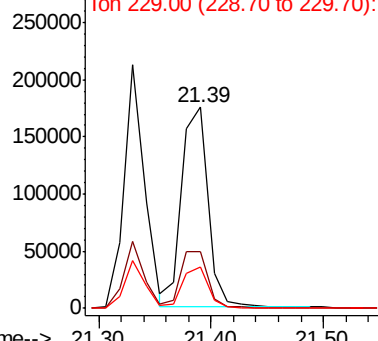


Abundance

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



#32

Bis(2-ethylhexyl)phthalate

Concen: 2.341 ng

RT: 21.27 min Scan# 1622

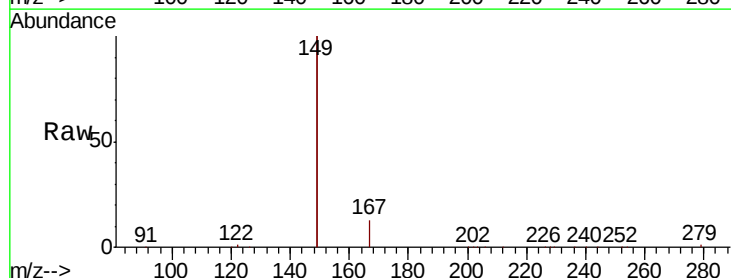
Delta R.T. -0.00 min

Lab File: BE100599.D

Acq: 3 Oct 2019 16:24

Tgt Ion:149 Resp: 527020

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 6.6   | 5.4   | 8.0   |
| 279 | 1.1   | 0.9   | 1.3   |

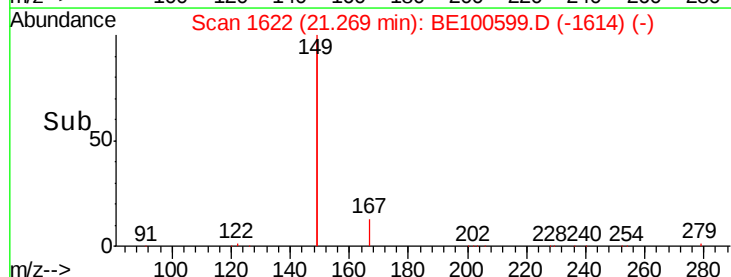
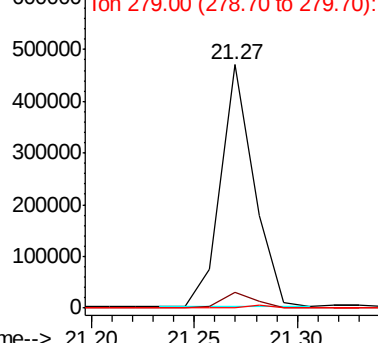


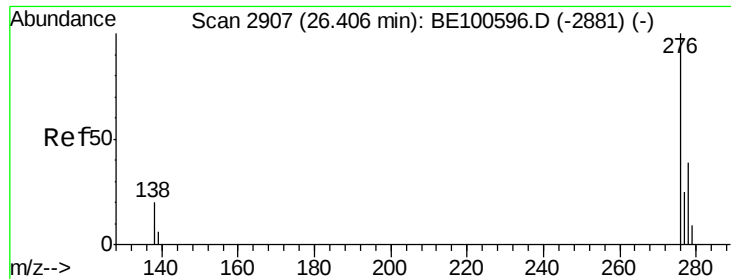
Abundance

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

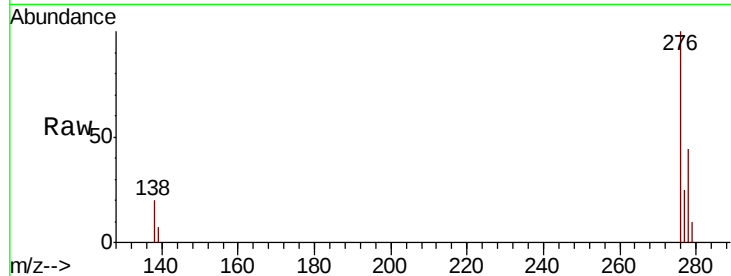




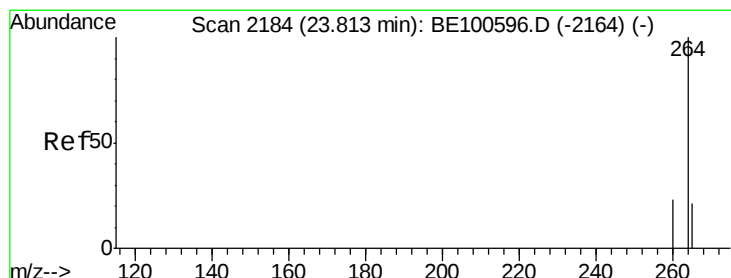
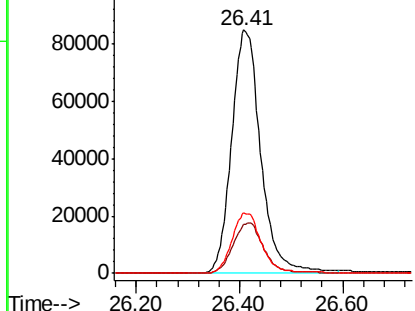
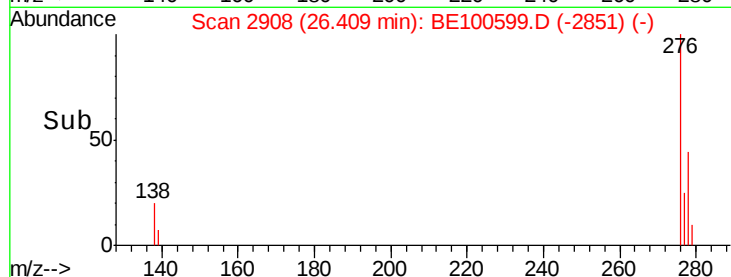
#33  
Indeno(1,2,3-cd)pyrene  
Concen: 3.323 ng  
RT: 26.41 min Scan# 2908  
Delta R.T. 0.00 min  
Lab File: BE100599.D  
Acq: 3 Oct 2019 16:24

Instrument :  
BNA\_E  
ClientSampleId :  
SSTDICC3.2

Tot Ion:276 Resp: 332704  
Ion Ratio Lower Upper  
276 100  
138 21.8 17.8 26.8  
277 25.2 19.8 29.8

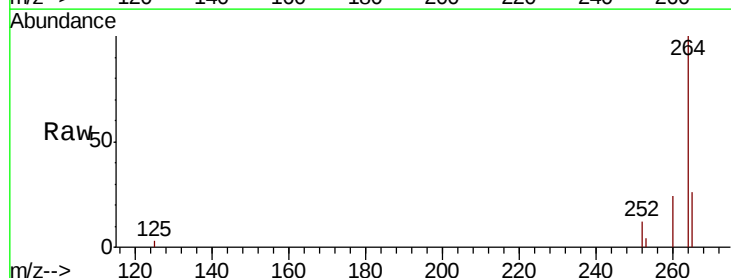


Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E

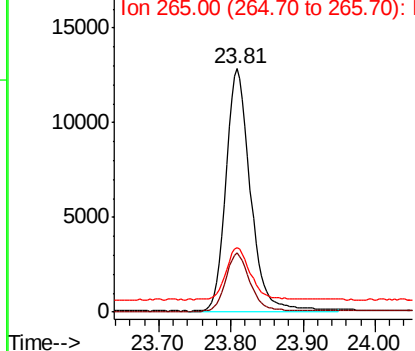
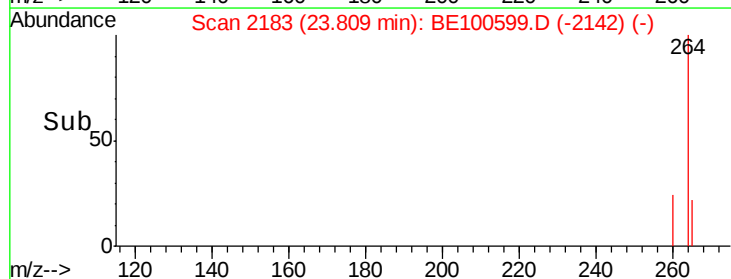


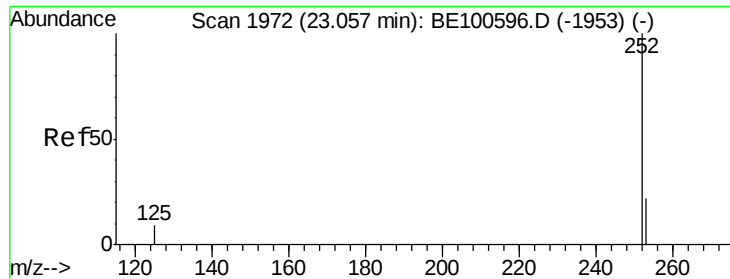
#34  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.81 min Scan# 2183  
Delta R.T. -0.00 min  
Lab File: BE100599.D  
Acq: 3 Oct 2019 16:24

Tgt Ion:264 Resp: 29733  
Ion Ratio Lower Upper  
264 100  
260 24.3 19.0 28.4  
265 26.4 20.9 31.3



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: 3.517 ng

RT: 23.06 min Scan# 1972

Delta R.T. 0.00 min

Lab File: BE100599.D

Acq: 3 Oct 2019 16:24

Instrument :

BNA\_E

ClientSampleId :

SSTDICC3.2

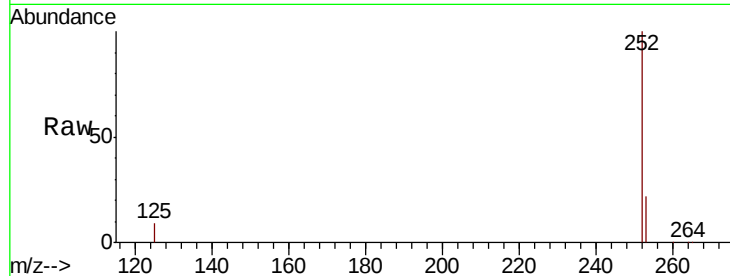
Tot Ion:252 Resp: 282158

Ion Ratio Lower Upper

252 100

253 22.2 18.1 27.1

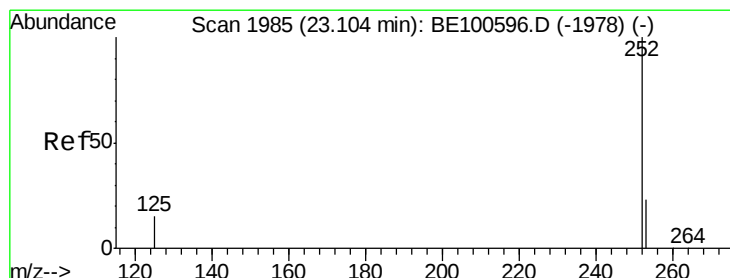
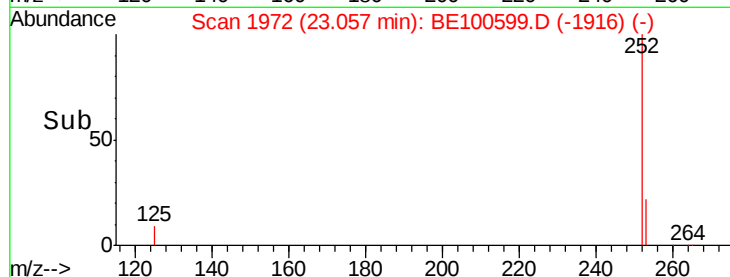
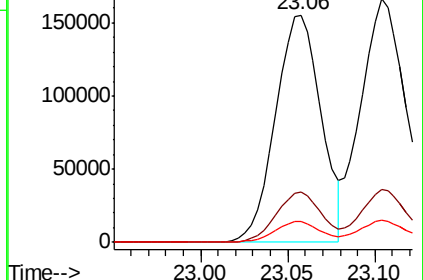
125 9.0 7.9 11.9



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: 3.493 ng

RT: 23.10 min Scan# 1985

Delta R.T. 0.00 min

Lab File: BE100599.D

Acq: 3 Oct 2019 16:24

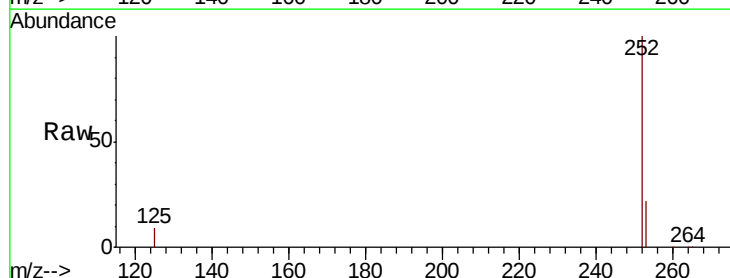
Tgt Ion:252 Resp: 319154

Ion Ratio Lower Upper

252 100

253 22.0 18.6 28.0

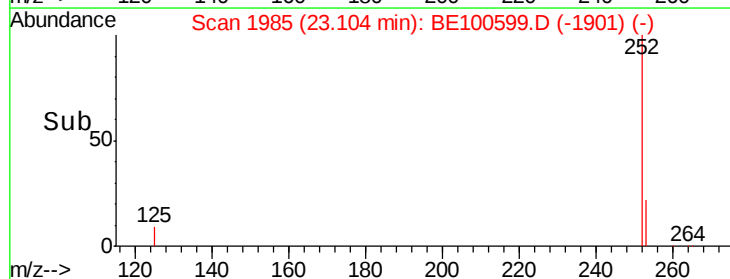
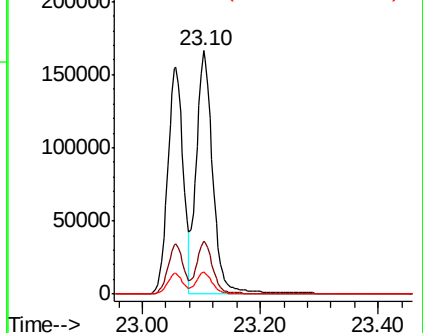
125 9.3 11.4 17.0#

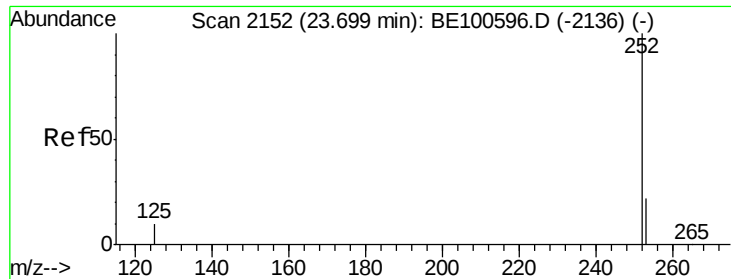


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 3.537 ng

RT: 23.70 min Scan# 2152

Delta R.T. 0.00 min

Lab File: BE100599.D

Acq: 3 Oct 2019 16:24

Instrument :

BNA\_E

ClientSampleId :

SSTDICC3.2

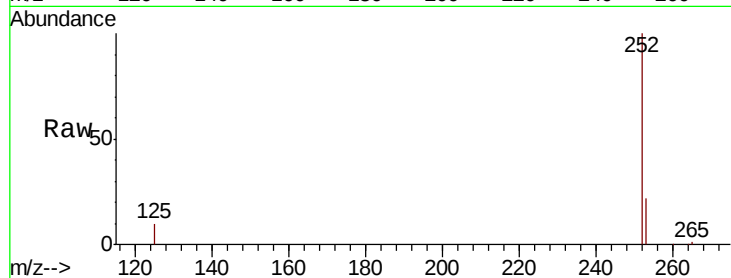
Tot Ion:252 Resp: 263502

Ion Ratio Lower Upper

252 100

253 22.0 18.5 27.7

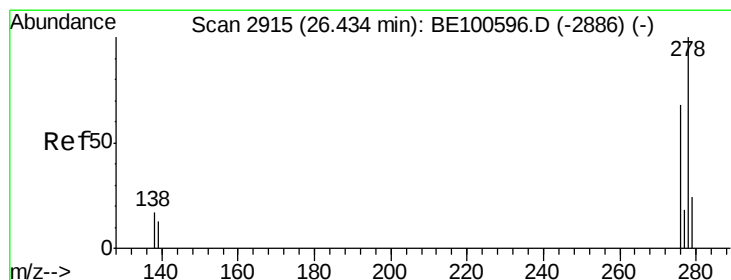
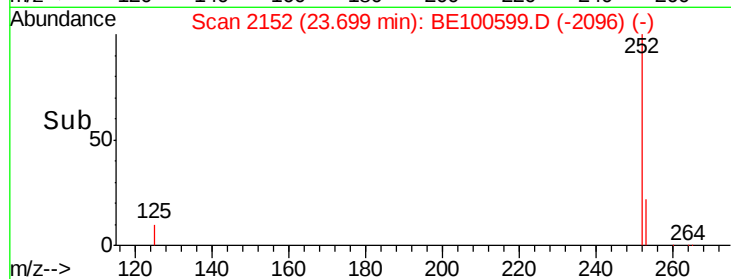
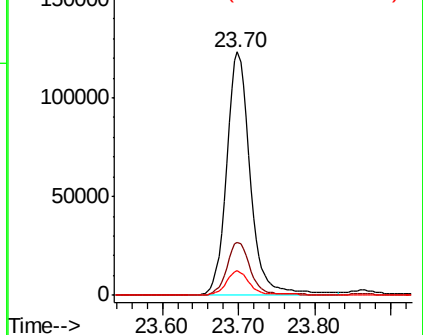
125 9.9 8.8 13.2



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: 3.684 ng

RT: 26.43 min Scan# 2915

Delta R.T. -0.00 min

Lab File: BE100599.D

Acq: 3 Oct 2019 16:24

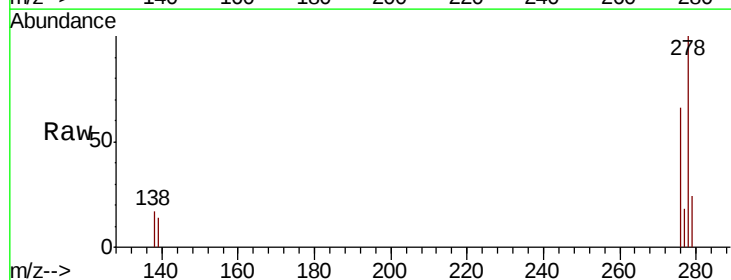
Tgt Ion:278 Resp: 281786

Ion Ratio Lower Upper

278 100

139 13.7 11.0 16.4

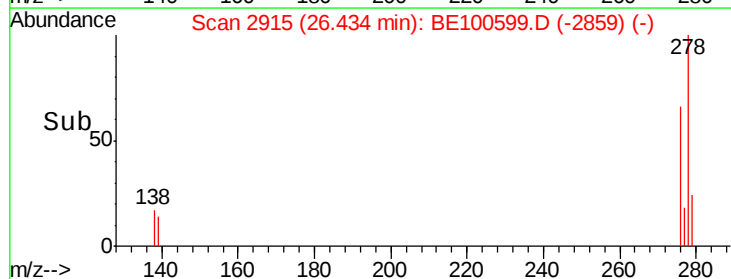
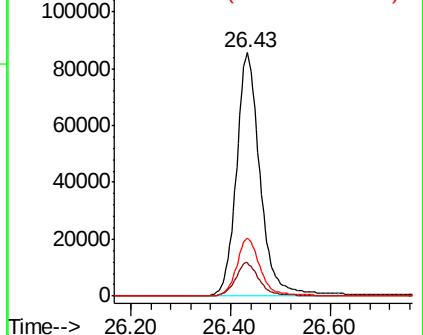
279 23.9 19.7 29.5

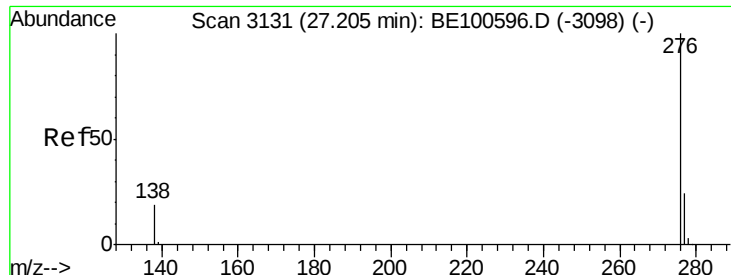


Abundance Ion 278.00 (277.70 to 278.70): E

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: 3.528 ng

RT: 27.20 min Scan# 3130

Delta R.T. -0.00 min

Lab File: BE100599.D

Acq: 3 Oct 2019 16:24

Instrument :

BNA\_E

ClientSampleId :

SSTDICC3.2

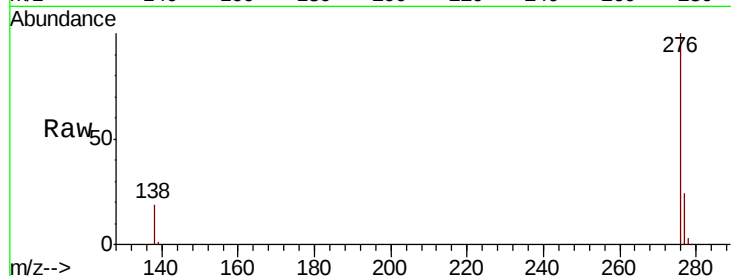
Tot Ion: 276 Resp: 272912

Ion Ratio Lower Upper

276 100

277 24.2 19.5 29.3

138 18.9 15.6 23.4



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

