

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121319\  
 Data File : BE100891.D  
 Acq On : 13 Dec 2019 17:44  
 Operator : JU  
 Sample : K6252-13  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 RE135D3-20191210

Quant Time: Dec 14 03:18:02 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE120419.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 13 10:42:38 2019  
 Response via : Initial Calibration

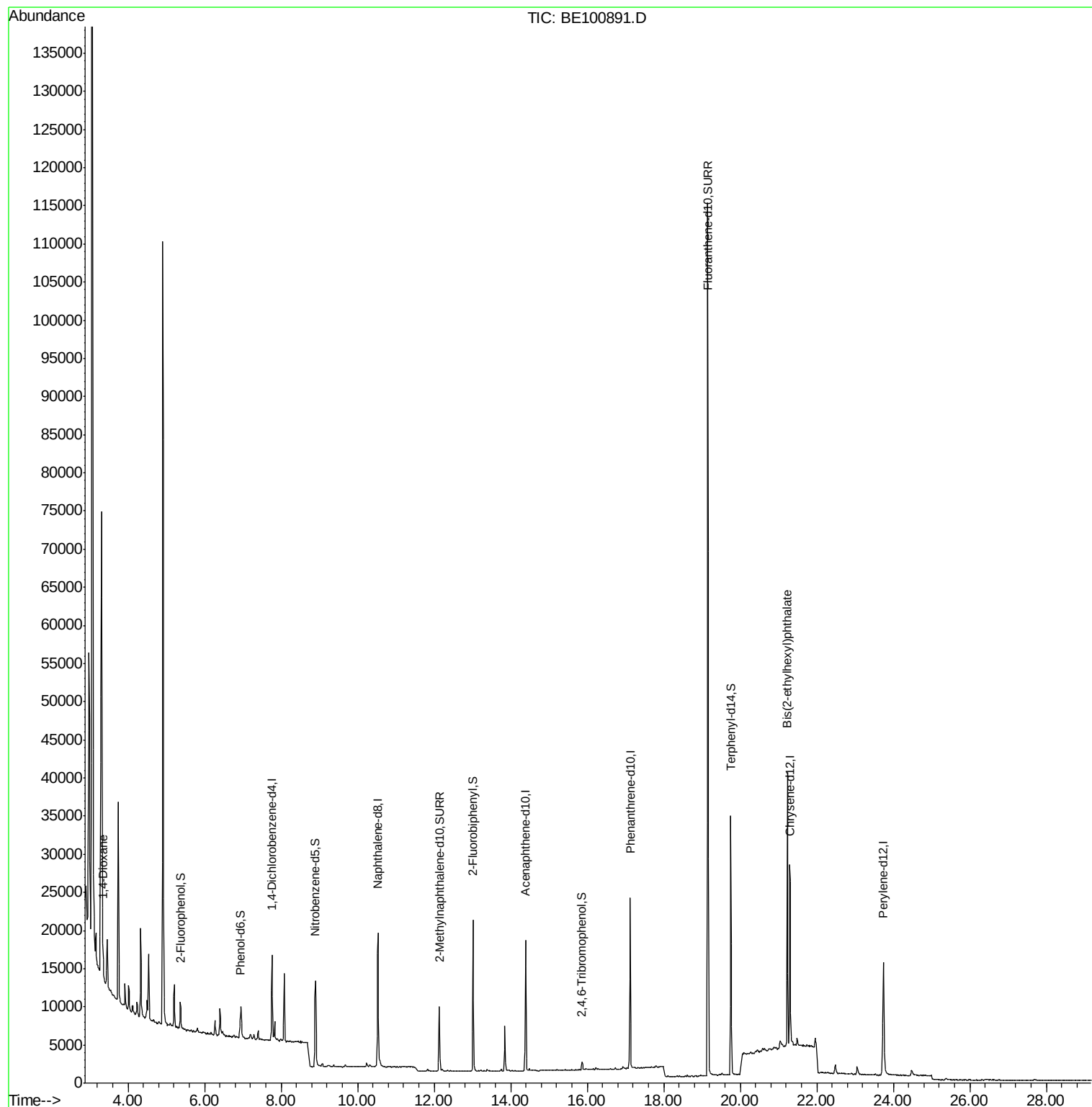
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min)    |
|--------------------------------|-------|------|----------|-------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4      | 7.76  | 152  | 4919     | 0.40  | ng    | 0.00        |
| 7) Naphthalene-d8              | 10.54 | 136  | 21033    | 0.40  | ng    | 0.00        |
| 13) Acenaphthene-d10           | 14.38 | 164  | 11202    | 0.40  | ng    | 0.00        |
| 19) Phenanthrene-d10           | 17.12 | 188  | 29700    | 0.40  | ng    | 0.00        |
| 27) Chrysene-d12               | 21.31 | 240  | 28107    | 0.40  | ng    | 0.00        |
| 34) Perylene-d12               | 23.74 | 264  | 22692    | 0.40  | ng    | 0.00        |
| System Monitoring Compounds    |       |      |          |       |       |             |
| 4) 2-Fluorophenol              | 5.37  | 112  | 1810     | 0.16  | ng    | 0.00        |
| 5) Phenol-d6                   | 6.93  | 99   | 1706     | 0.10  | ng    | 0.00        |
| 8) Nitrobenzene-d5             | 8.90  | 82   | 4949     | 0.49  | ng    | 0.00        |
| 11) 2-Methylnaphthalene-d10    | 12.14 | 152  | 12775    | 0.42  | ng    | 0.00        |
| 14) 2,4,6-Tribromophenol       | 15.86 | 330  | 633      | 0.51  | ng    | -0.01       |
| 15) 2-Fluorobiphenyl           | 13.02 | 172  | 17588    | 0.40  | ng    | 0.00        |
| 25) Fluoranthene-d10           | 19.15 | 212  | 151070   | 0.43  | ng    | 0.00        |
| 29) Terphenyl-d14              | 19.75 | 244  | 29104    | 0.43  | ng    | 0.00        |
| Target Compounds               |       |      |          |       |       |             |
| 2) 1,4-Dioxane                 | 3.34  | 88   | 1986     | 0.221 | ng    | Qvalue # 49 |
| 32) Bis(2-ethylhexyl)phthalate | 21.23 | 149  | 37555    | 0.637 | ng    | 99          |

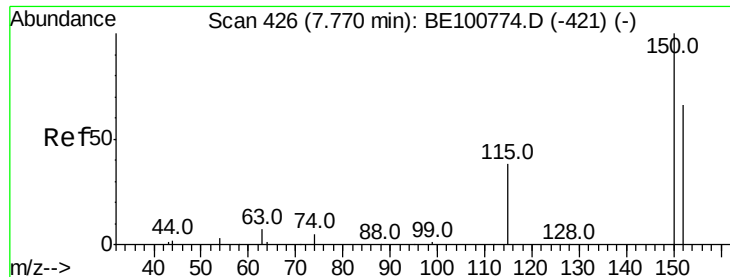
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121319\  
Data File : BE100891.D  
Acq On : 13 Dec 2019 17:44  
Operator : JU  
Sample : K6252-13  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
RE135D3-20191210

Quant Time: Dec 14 03:18:02 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE120419.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Dec 13 10:42:38 2019  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.76 min Scan# 425

Delta R.T. 0.00 min

Lab File: BE100891.D

Acq: 13 Dec 2019 17:44

Instrument :

BNA\_E

ClientSampleId :

RE135D3-20191210

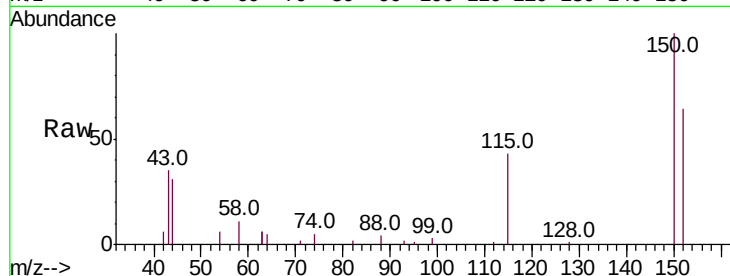
Tot Ion:152 Resp: 4919

Ion Ratio Lower Upper

152 100

150 157.3 125.5 188.3

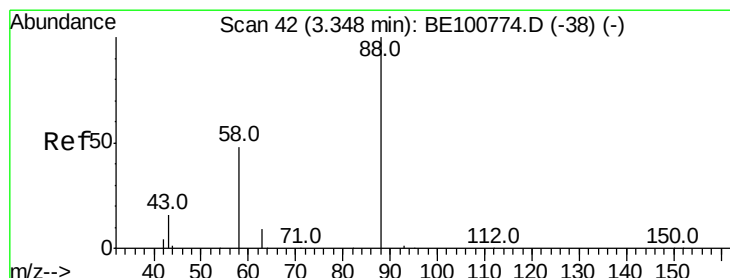
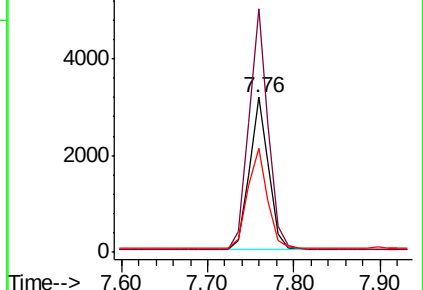
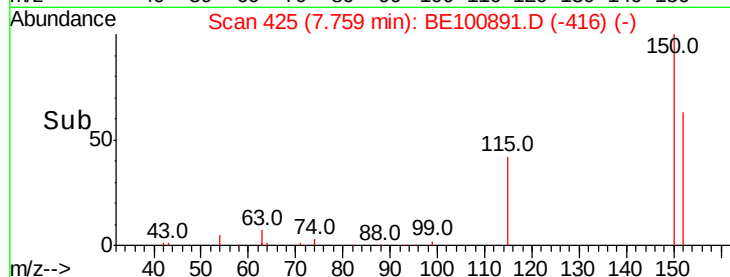
115 67.4 55.7 83.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.221 ng

RT: 3.34 min Scan# 41

Delta R.T. 0.00 min

Lab File: BE100891.D

Acq: 13 Dec 2019 17:44

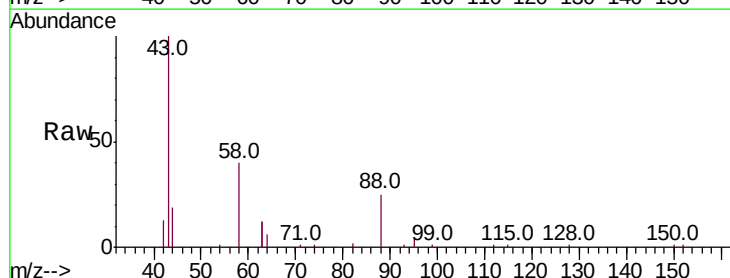
Tgt Ion: 88 Resp: 1986

Ion Ratio Lower Upper

88 100

58 104.8 52.3 78.5#

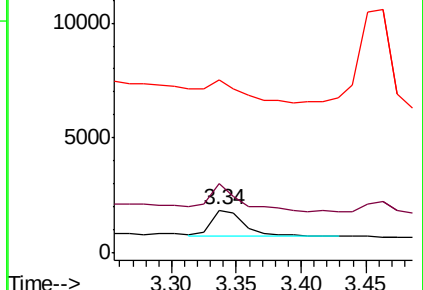
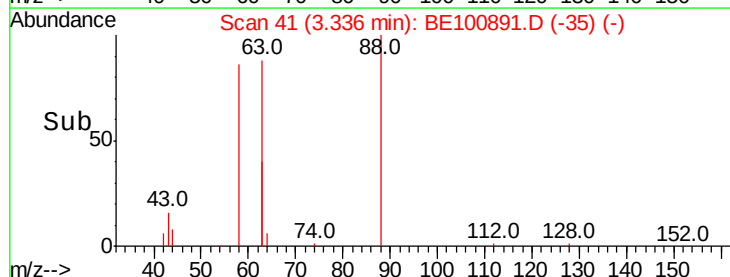
43 0.0 23.5 35.3#

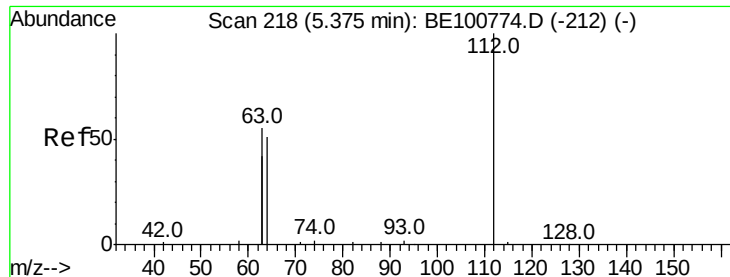


Abundance Ion 88.00 (87.70 to 88.70): BE1

Ion 58.00 (57.70 to 58.70): BE1

Ion 43.00 (42.70 to 43.70): BE1





#4

2-Fluorophenol

Concen: 0.155 ng

RT: 5.37 min Scan# 218

Delta R.T. 0.00 min

Lab File: BE100891.D

Acq: 13 Dec 2019 17:44

Instrument :

BNA\_E

ClientSampleId :

RE135D3-20191210

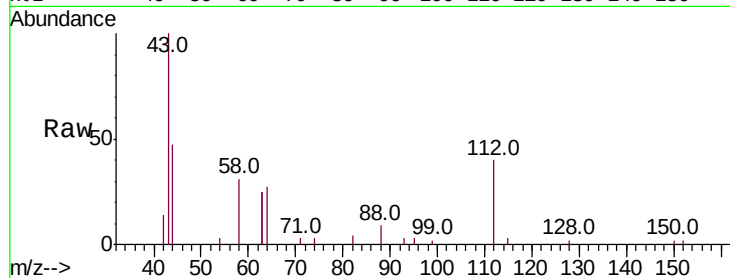
Tot Ion:112 Resp: 1810

Ion Ratio Lower Upper

112 100

64 73.5 54.5 81.7

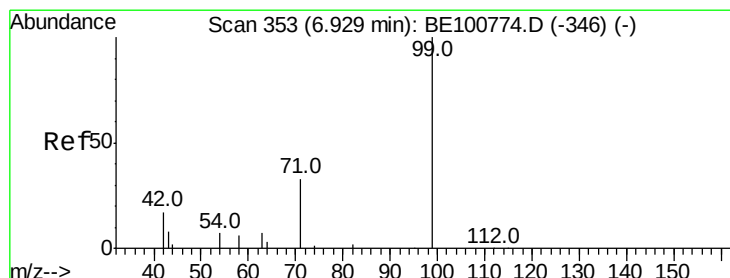
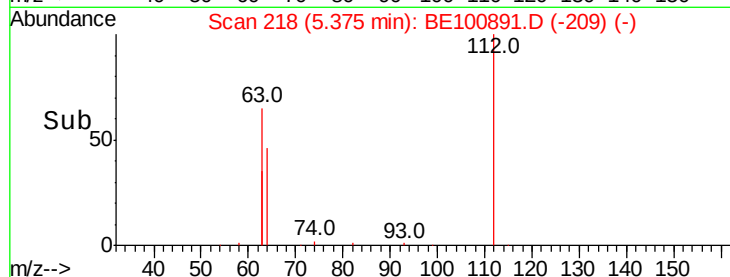
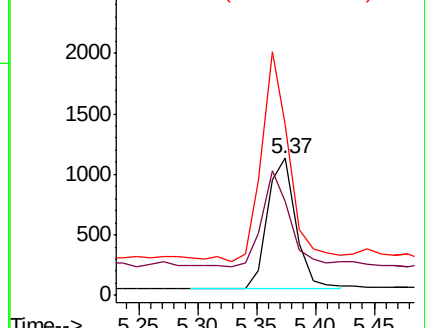
63 150.9 116.1 174.1



Abundance Ion 112.00 (111.70 to 112.70): BE1

Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1



#5

Phenol-d6

Concen: 0.097 ng

RT: 6.93 min Scan# 353

Delta R.T. 0.00 min

Lab File: BE100891.D

Acq: 13 Dec 2019 17:44

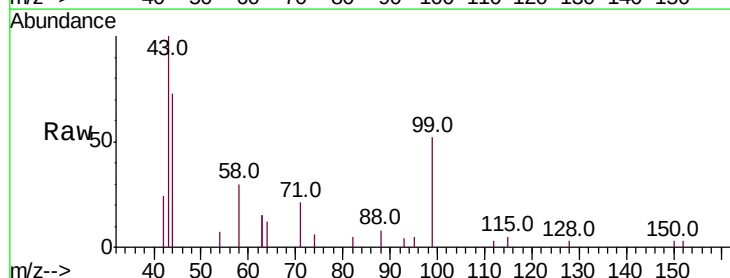
Tgt Ion: 99 Resp: 1706

Ion Ratio Lower Upper

99 100

42 36.8 18.2 27.2#

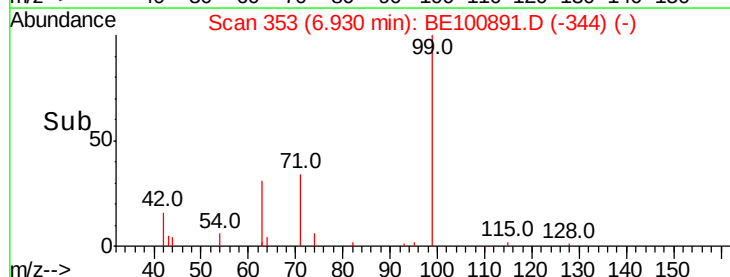
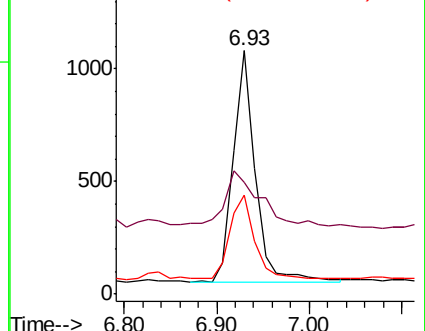
71 40.6 29.1 43.7

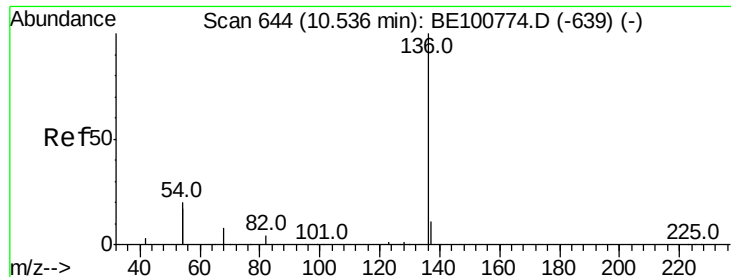


Abundance Ion 99.00 (98.70 to 99.70): BE1

Ion 42.00 (41.70 to 42.70): BE1

Ion 71.00 (70.70 to 71.70): BE1





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.54 min Scan# 644

Delta R.T. -0.00 min

Lab File: BE100891.D

Acq: 13 Dec 2019 17:44

Instrument :

BNA\_E

ClientSampleId :

RE135D3-20191210

Tot Ion:136 Resp: 21033

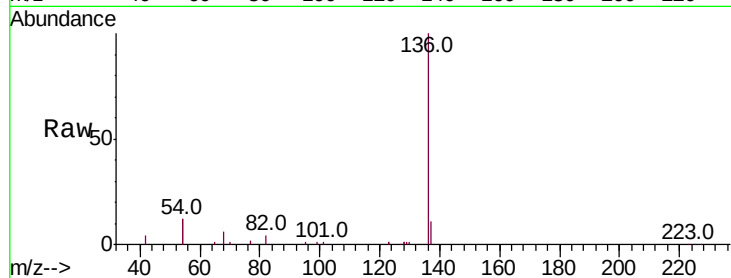
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 24.5 18.9 28.3

68 5.7 4.6 6.8

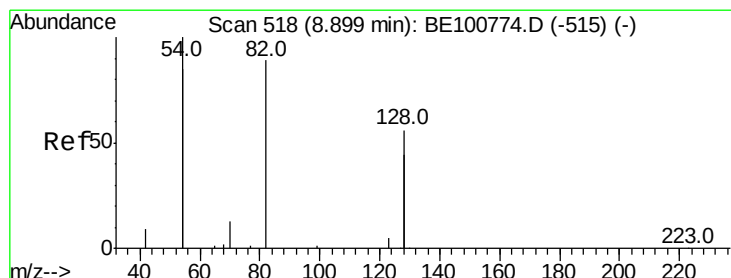
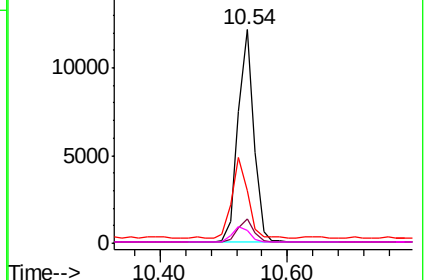
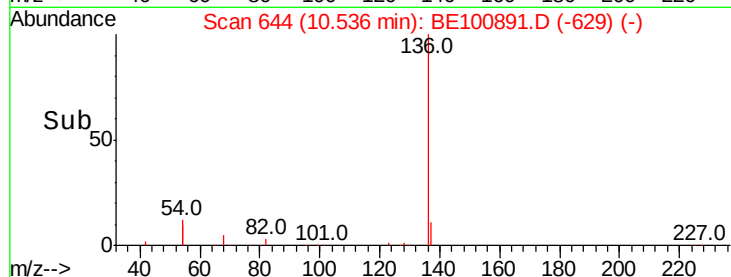


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.494 ng

RT: 8.90 min Scan# 518

Delta R.T. -0.00 min

Lab File: BE100891.D

Acq: 13 Dec 2019 17:44

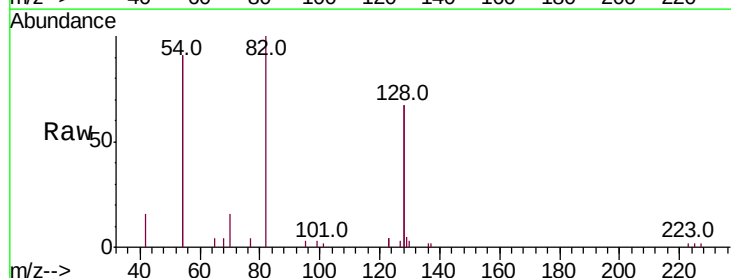
Tgt Ion: 82 Resp: 4949

Ion Ratio Lower Upper

82 100

128 133.8 113.5 170.3

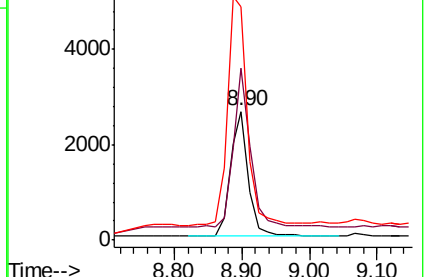
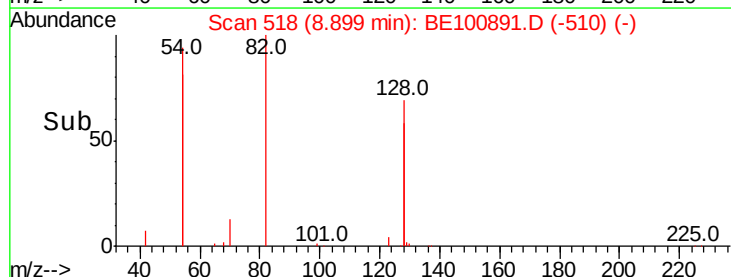
54 181.7 138.9 208.3

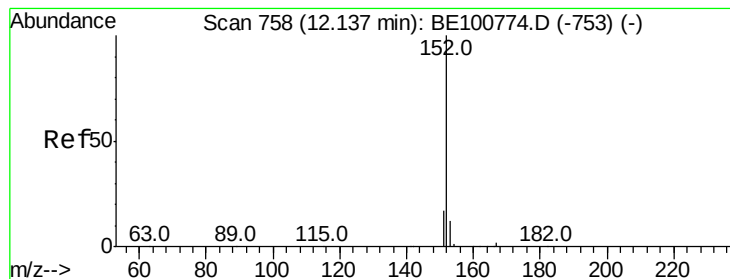


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#11

2-Methylnaphthalene-d10

Concen: 0.419 ng

RT: 12.14 min Scan# 758

Delta R.T. -0.00 min

Lab File: BE100891.D

Acq: 13 Dec 2019 17:44

Instrument :

BNA\_E

ClientSampleId :

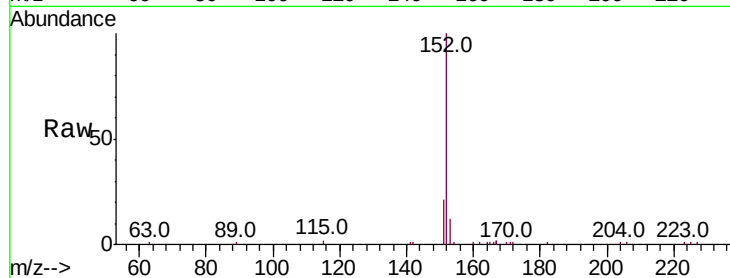
RE135D3-20191210

Tot Ion:152 Resp: 12775

Ion Ratio Lower Upper

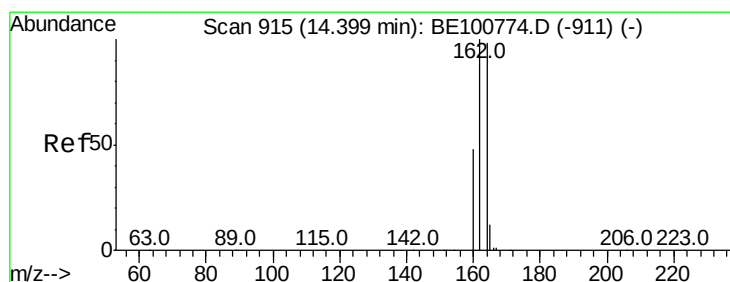
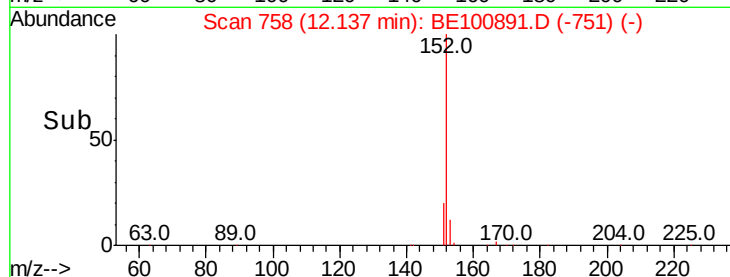
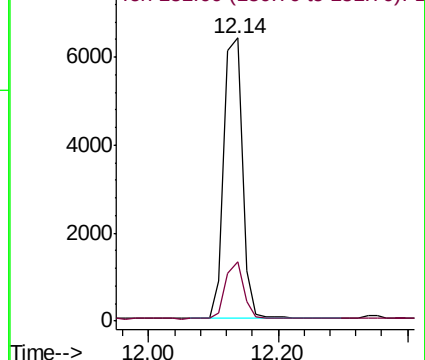
152 100

151 19.6 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.38 min Scan# 914

Delta R.T. -0.00 min

Lab File: BE100891.D

Acq: 13 Dec 2019 17:44

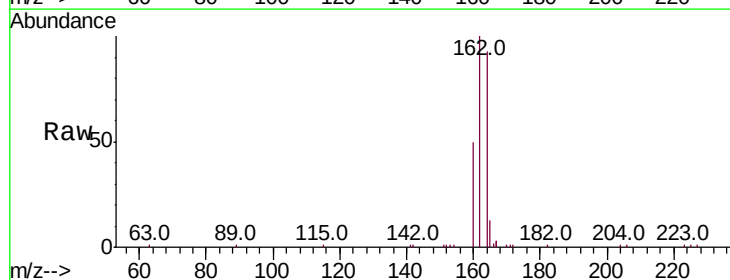
Tgt Ion:164 Resp: 11202

Ion Ratio Lower Upper

164 100

162 107.5 86.0 129.0

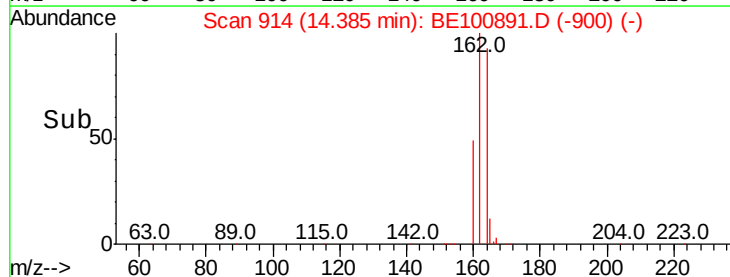
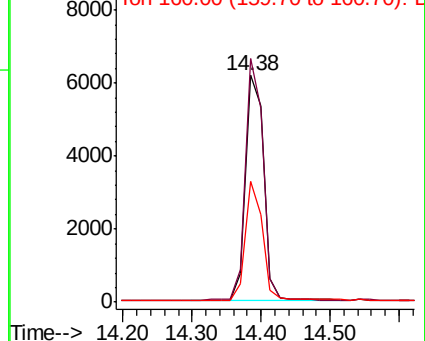
160 53.3 42.3 63.5

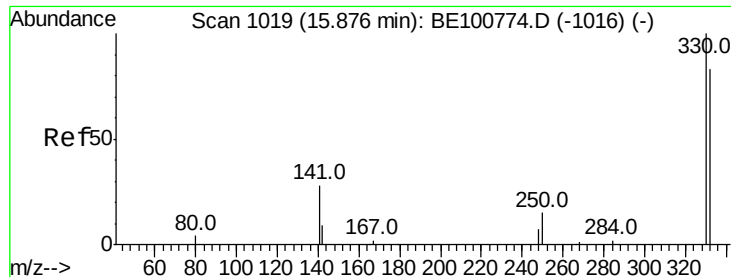


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

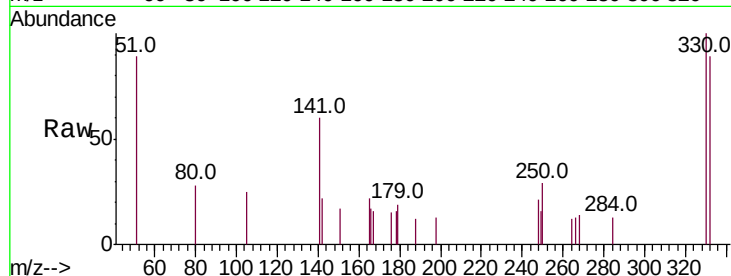




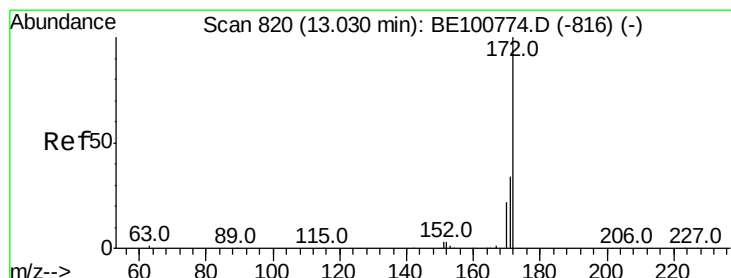
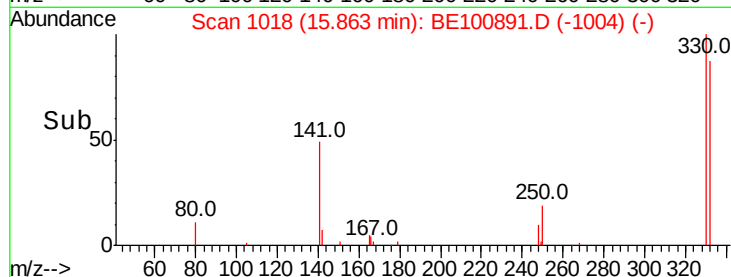
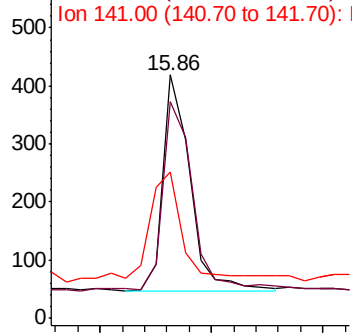
#14  
 2,4,6-Tribromophenol  
 Concen: 0.508 ng  
 RT: 15.86 min Scan# 1018  
 Delta R.T. -0.01 min  
 Lab File: BE100891.D  
 Acq: 13 Dec 2019 17:44

Instrument :  
 BNA\_E  
 ClientSampleId :  
 RE135D3-20191210

Tot Ion:330 Resp: 633  
 Ion Ratio Lower Upper  
 330 100  
 332 99.7 74.1 111.1  
 141 67.3 46.7 70.1

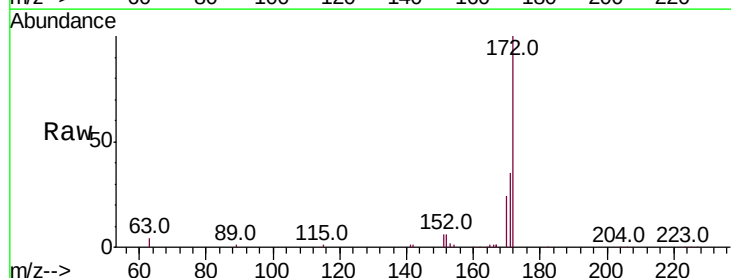


Abundance Ion 330.00 (329.70 to 330.70): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

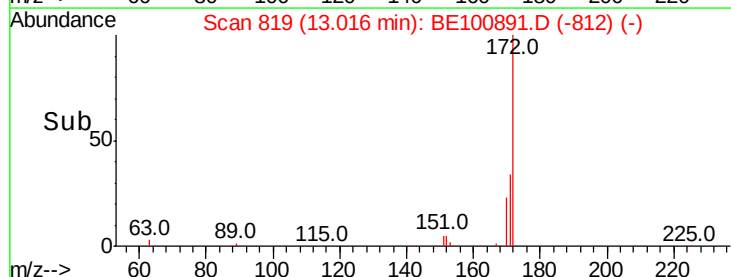
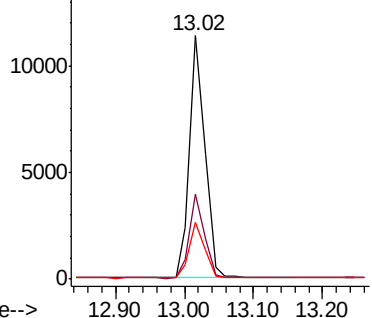


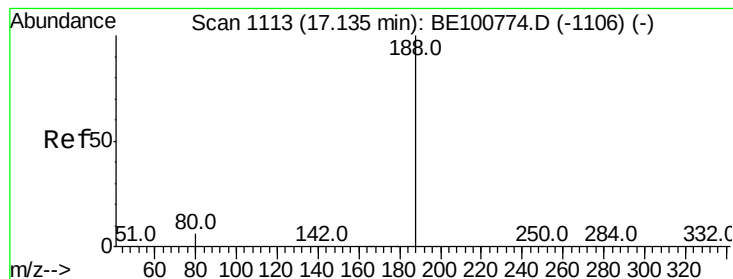
#15  
 2-Fluorobiphenyl  
 Concen: 0.396 ng  
 RT: 13.02 min Scan# 819  
 Delta R.T. -0.00 min  
 Lab File: BE100891.D  
 Acq: 13 Dec 2019 17:44

Tgt Ion:172 Resp: 17588  
 Ion Ratio Lower Upper  
 172 100  
 171 34.7 28.2 42.4  
 170 23.5 19.4 29.0



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





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.12 min Scan# 1112

Delta R.T. 0.00 min

Lab File: BE100891.D

Acq: 13 Dec 2019 17:44

Instrument :

BNA\_E

ClientSampleId :

RE135D3-20191210

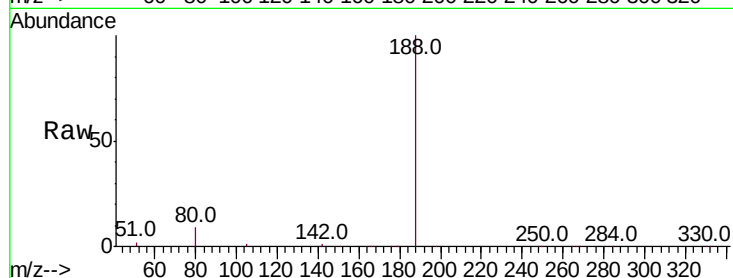
Tot Ion:188 Resp: 29700

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

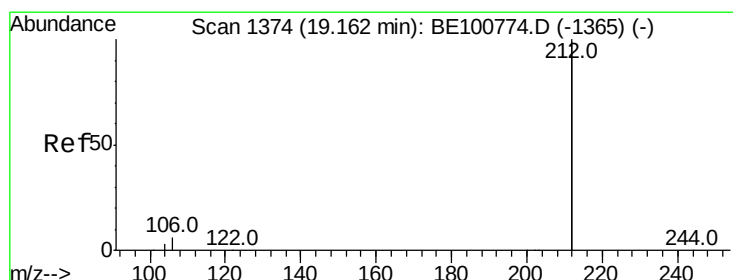
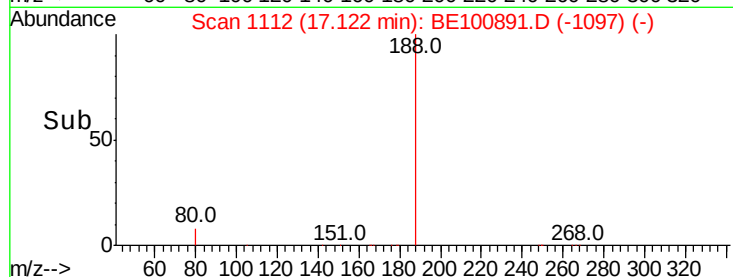
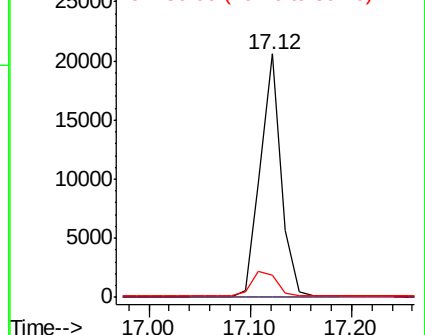
80 8.9 7.9 11.9



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



#25

Fluoranthene-d10

Concen: 0.430 ng

RT: 19.15 min Scan# 1372

Delta R.T. -0.00 min

Lab File: BE100891.D

Acq: 13 Dec 2019 17:44

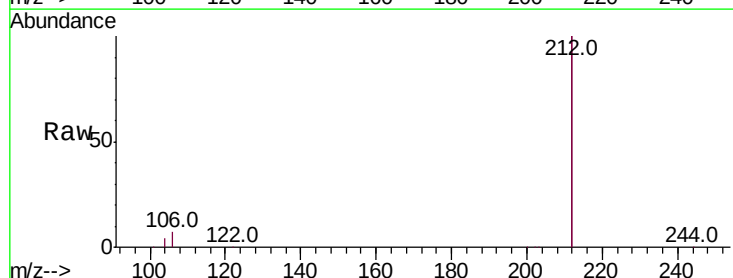
Tgt Ion:212 Resp: 151070

Ion Ratio Lower Upper

212 100

106 3.4 2.6 4.0

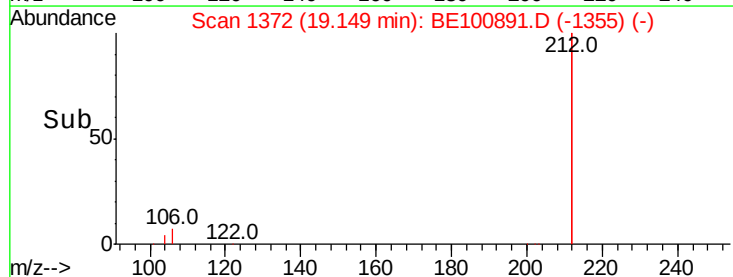
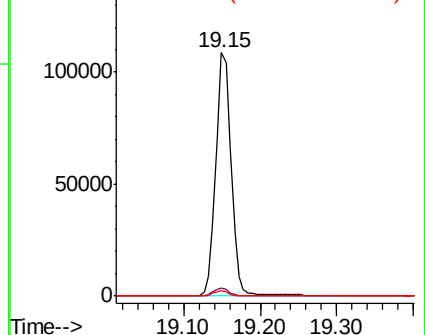
104 1.9 1.4 2.2



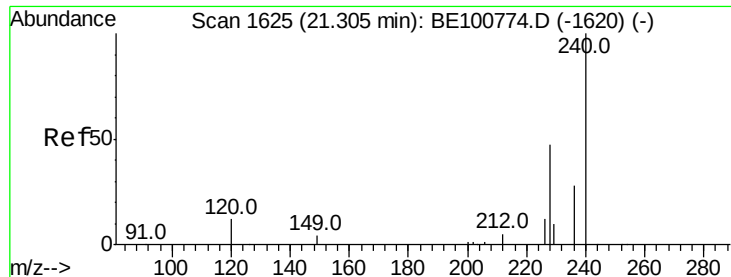
Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E







#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.31 min Scan# 1625

Delta R.T. -0.00 min

Lab File: BE100891.D

Acq: 13 Dec 2019 17:44

Instrument :

BNA\_E

ClientSampleId :

RE135D3-20191210

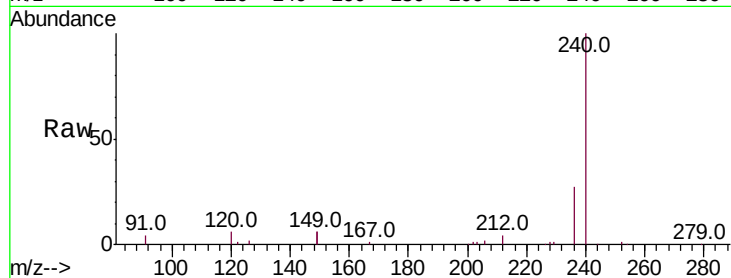
Tot Ion:240 Resp: 28107

Ion Ratio Lower Upper

240 100

120 5.7 4.0 6.0

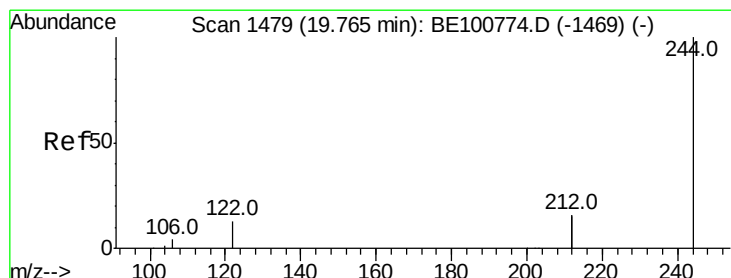
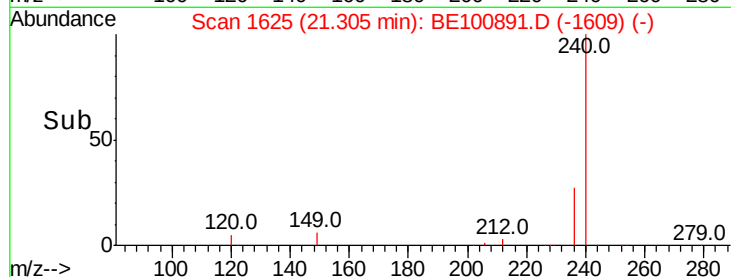
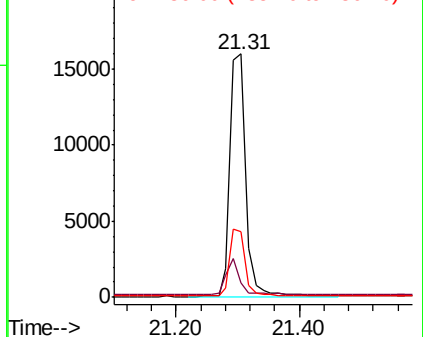
236 27.0 21.6 32.4



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



#29

Terphenyl-d14

Concen: 0.432 ng

RT: 19.75 min Scan# 1477

Delta R.T. -0.01 min

Lab File: BE100891.D

Acq: 13 Dec 2019 17:44

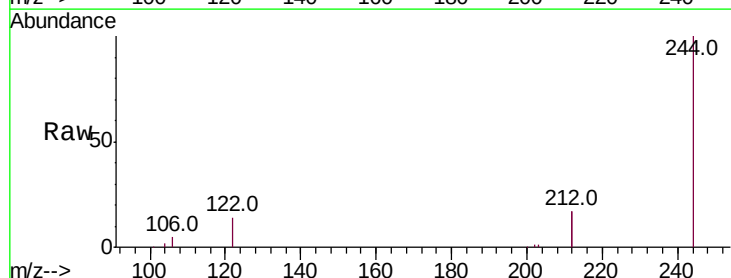
Tgt Ion:244 Resp: 29104

Ion Ratio Lower Upper

244 100

212 33.2 25.2 37.8

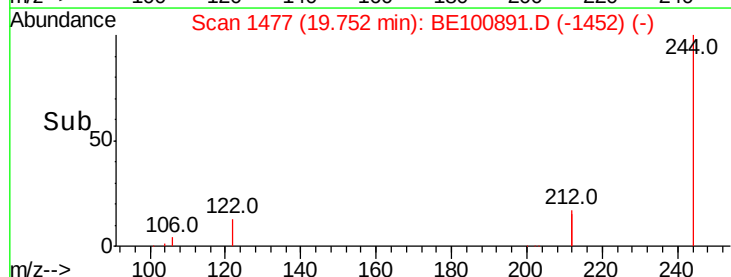
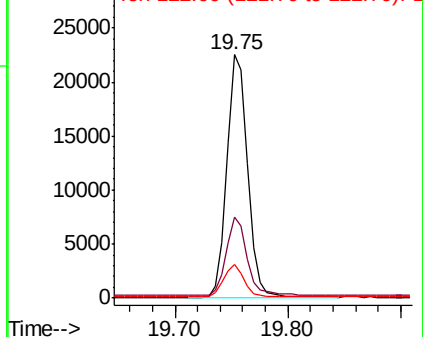
122 13.7 8.9 13.3#

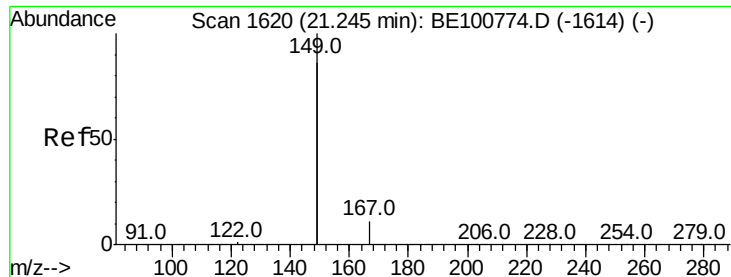


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.637 ng

RT: 21.23 min Scan# 1619

Delta R.T. -0.00 min

Lab File: BE100891.D

Acq: 13 Dec 2019 17:44

Instrument :

BNA\_E

ClientSampleId :

RE135D3-20191210

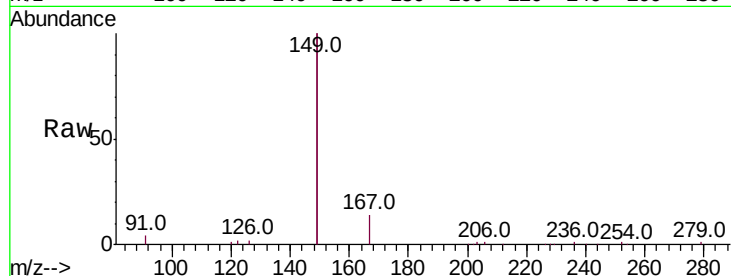
Tot Ion:149 Resp: 37555

Ion Ratio Lower Upper

149 100

167 6.6 5.0 7.4

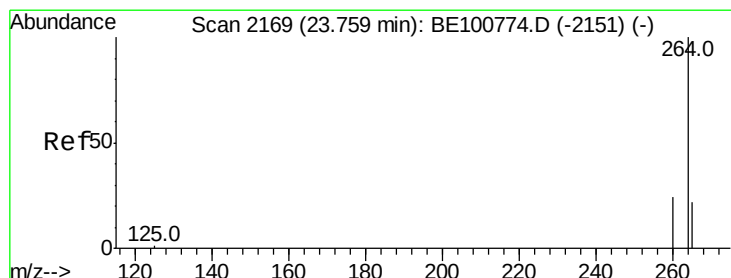
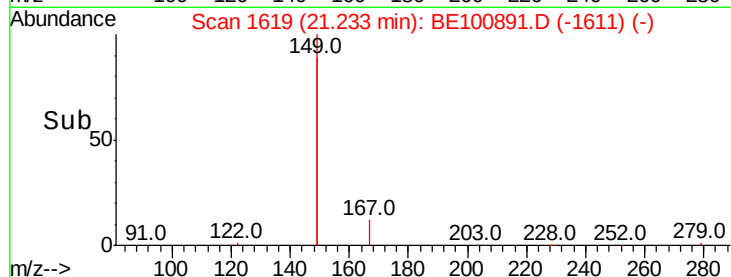
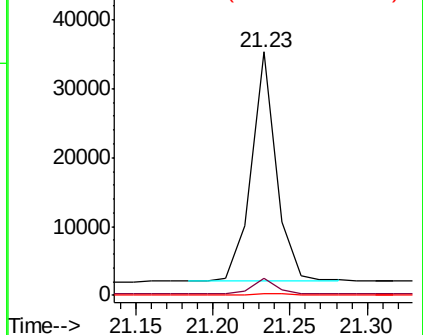
279 0.8 0.6 1.0



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.74 min Scan# 2164

Delta R.T. -0.00 min

Lab File: BE100891.D

Acq: 13 Dec 2019 17:44

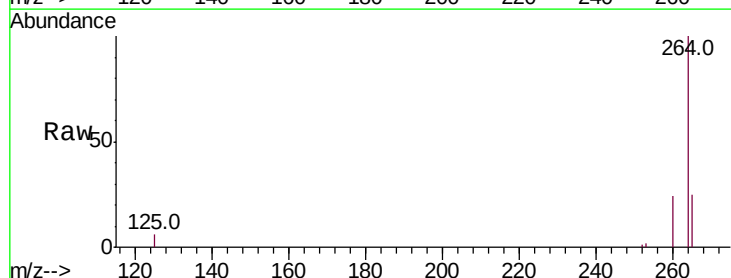
Tgt Ion:264 Resp: 22692

Ion Ratio Lower Upper

264 100

260 24.4 19.4 29.0

265 25.2 20.1 30.1



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

