

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121619\  
 Data File : BE100922.D  
 Acq On : 16 Dec 2019 16:21  
 Operator : JU  
 Sample : K6252-05  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 DUP06-20191209

Quant Time: Dec 16 19:13:28 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

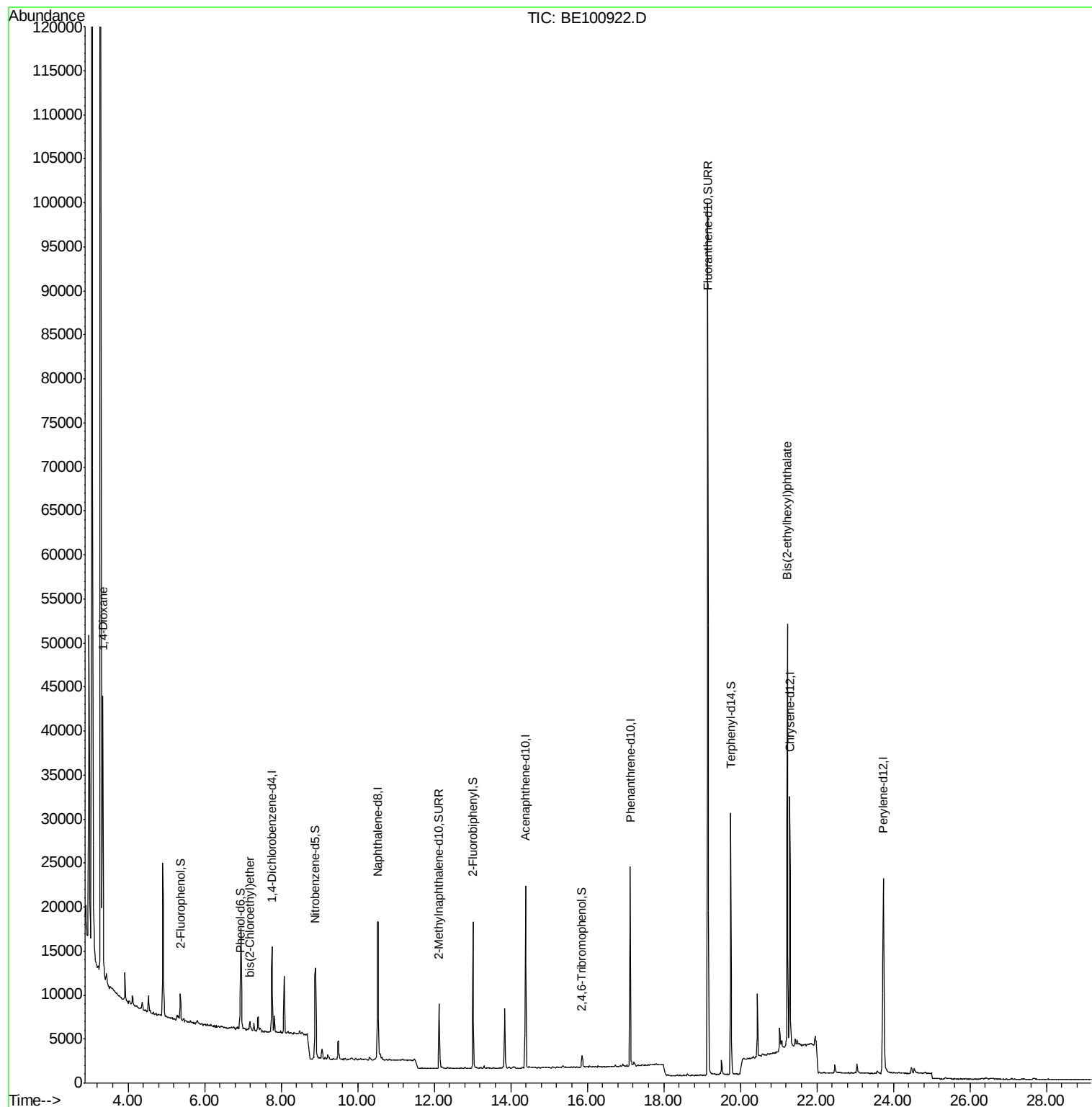
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.76  | 152  | 4380     | 0.40  | ng    | 0.00     |
| 7) Naphthalene-d8              | 10.54 | 136  | 20482    | 0.40  | ng    | 0.00     |
| 13) Acenaphthene-d10           | 14.38 | 164  | 11953    | 0.40  | ng    | 0.00     |
| 19) Phenanthrene-d10           | 17.12 | 188  | 31316    | 0.40  | ng    | 0.00     |
| 27) Chrysene-d12               | 21.29 | 240  | 29675    | 0.40  | ng    | -0.01    |
| 34) Perylene-d12               | 23.74 | 264  | 33375    | 0.40  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 5.36  | 112  | 1604     | 0.15  | ng    | -0.01    |
| 5) Phenol-d6                   | 6.93  | 99   | 1446     | 0.09  | ng    | 0.00     |
| 8) Nitrobenzene-d5             | 8.90  | 82   | 4704     | 0.48  | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10    | 12.12 | 152  | 10730    | 0.36  | ng    | -0.01    |
| 14) 2,4,6-Tribromophenol       | 15.86 | 330  | 747      | 0.56  | ng    | -0.01    |
| 15) 2-Fluorobiphenyl           | 13.02 | 172  | 14386    | 0.30  | ng    | 0.00     |
| 25) Fluoranthene-d10           | 19.15 | 212  | 128970   | 0.35  | ng    | 0.00     |
| 29) Terphenyl-d14              | 19.75 | 244  | 24398    | 0.34  | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       |          |
| 2) 1,4-Dioxane                 | 3.34  | 88   | 19935    | 2.496 | ng    | # 85     |
| 6) bis(2-Chloroethyl)ether     | 7.18  | 93   | 323      | 0.021 | ng    | # 61     |
| 32) Bis(2-ethylhexyl)phthalate | 21.23 | 149  | 58446    | 0.892 | ng    | 100      |

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

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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



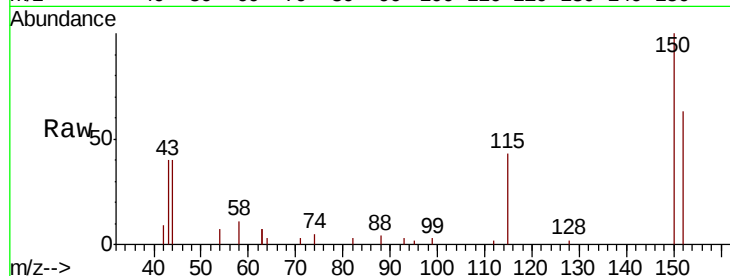


#1

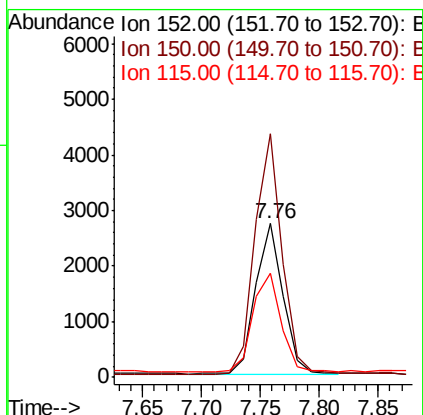
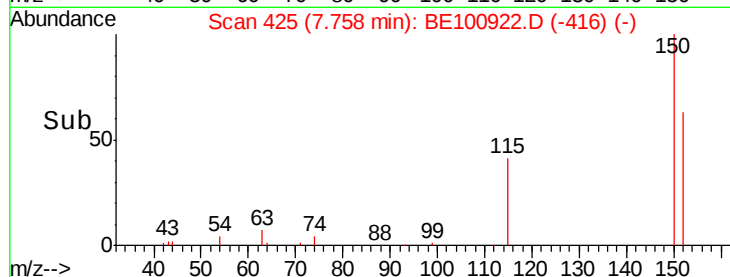
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.76 min Scan# 425  
Delta R.T. 0.00 min  
Lab File: BE100922.D  
Acq: 16 Dec 2019 16:21

Instrument :  
BNA\_E  
ClientSampleId :  
DUP06-20191209

Tot Ion:152 Resp: 4380  
Ion Ratio Lower Upper  
152 100  
150 158.2 125.5 188.3  
115 67.7 55.7 83.5



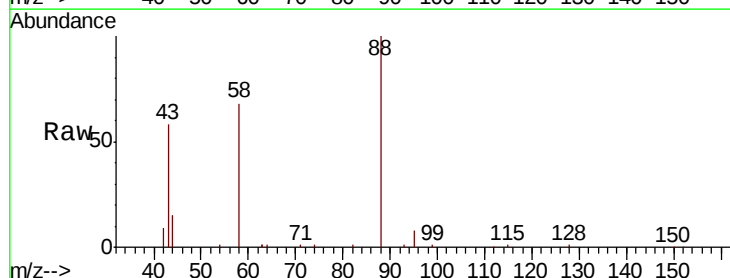
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



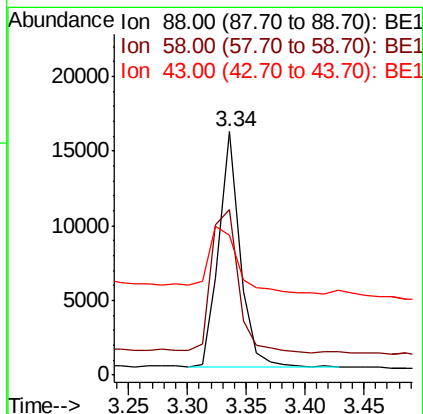
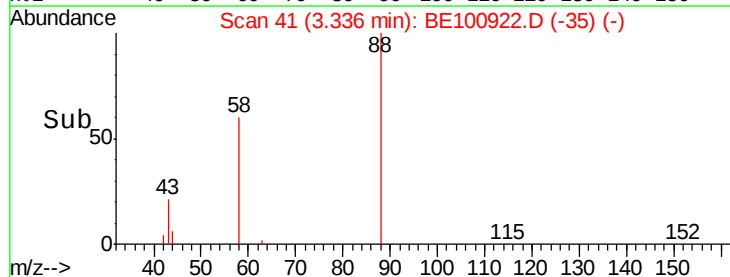
#2

1,4-Dioxane  
Concen: 2.496 ng  
RT: 3.34 min Scan# 41  
Delta R.T. 0.00 min  
Lab File: BE100922.D  
Acq: 16 Dec 2019 16:21

Tgt Ion: 88 Resp: 19935  
Ion Ratio Lower Upper  
88 100  
58 76.9 52.3 78.5  
43 37.7 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: 0.154 ng

RT: 5.36 min Scan# 217

Delta R.T. -0.01 min

Lab File: BE100922.D

Acq: 16 Dec 2019 16:21

Instrument :

BNA\_E

ClientSampleId :

DUP06-20191209

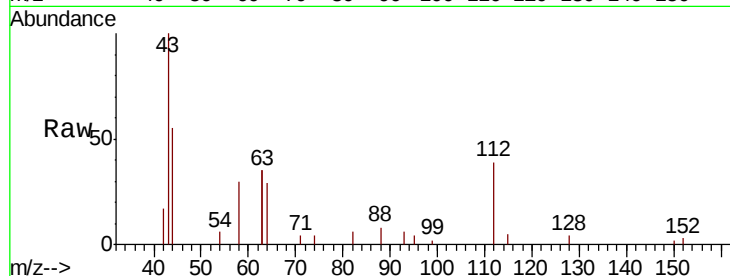
Tot Ion: 112 Resp: 1604

Ion Ratio Lower Upper

112 100

64 64.9 54.5 81.7

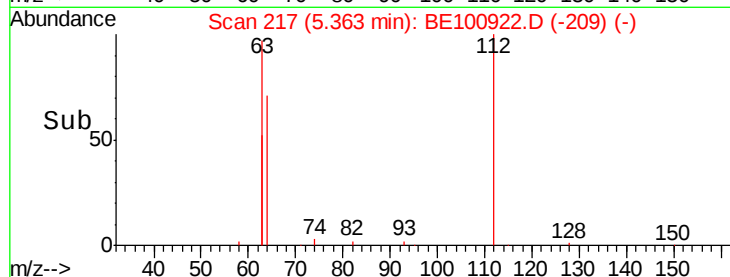
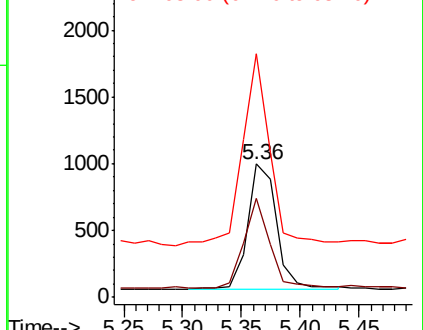
63 144.8 116.1 174.1



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: 0.092 ng

RT: 6.93 min Scan# 353

Delta R.T. 0.00 min

Lab File: BE100922.D

Acq: 16 Dec 2019 16:21

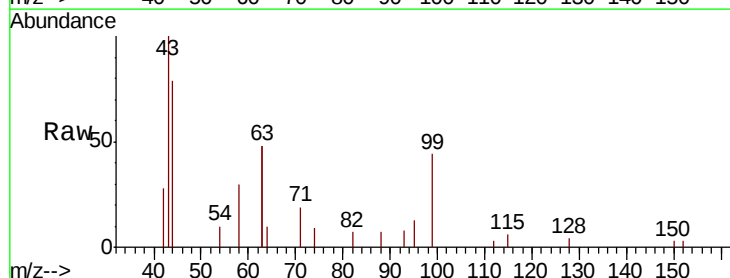
Tgt Ion: 99 Resp: 1446

Ion Ratio Lower Upper

99 100

42 57.0 18.2 27.2#

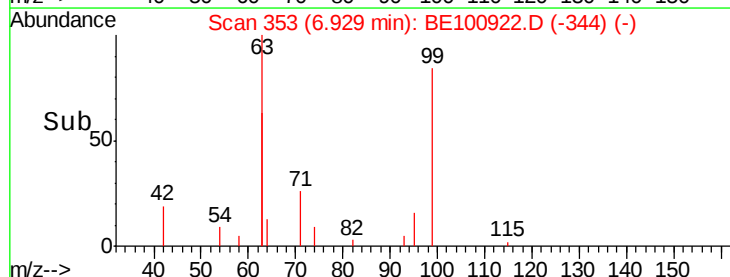
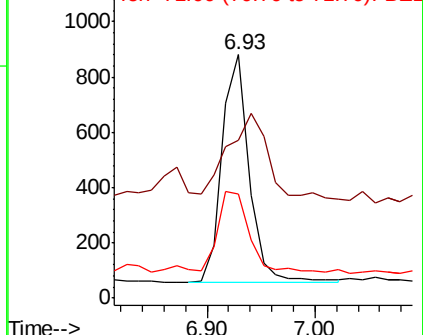
71 0.0 29.1 43.7#

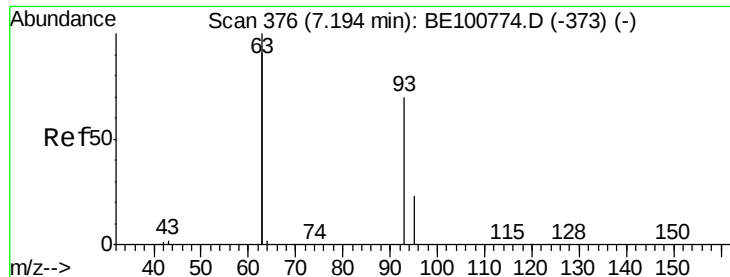


Abundance Ion 99.00 (98.70 to 99.70): BE1

Ion 42.00 (41.70 to 42.70): BE1

Ion 71.00 (70.70 to 71.70): BE1





#6

bis(2-Chloroethyl)ether

Concen: 0.021 ng

RT: 7.18 min Scan# 375

Delta R.T. 0.00 min

Lab File: BE100922.D

Acq: 16 Dec 2019 16:21

Instrument :

BNA\_E

ClientSampleId :

DUP06-20191209

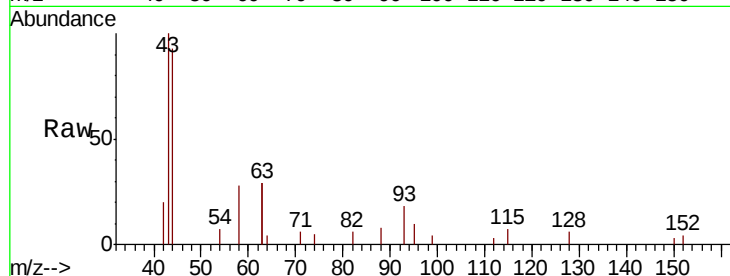
Tot Ion: 93 Resp: 323

Ion Ratio Lower Upper

93 100

63 393.5 253.9 380.9#

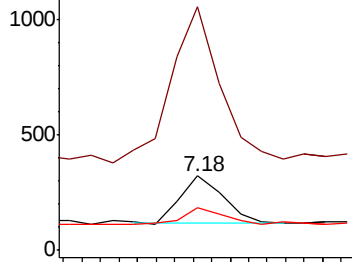
95 59.8 25.0 37.6#



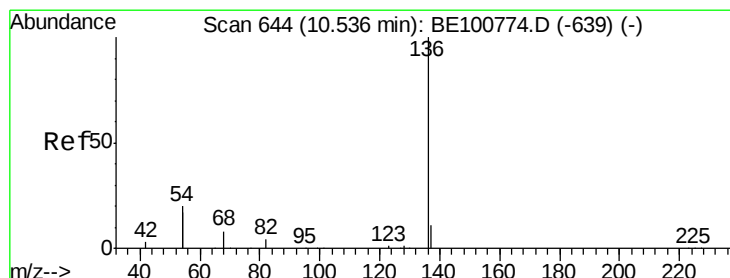
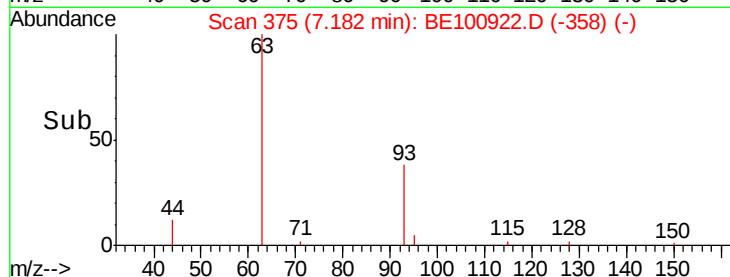
Abundance Ion 93.00 (92.70 to 93.70): BE1

Ion 63.00 (62.70 to 63.70): BE1

Ion 95.00 (94.70 to 95.70): BE1



Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.54 min Scan# 644

Delta R.T. -0.00 min

Lab File: BE100922.D

Acq: 16 Dec 2019 16:21

Tgt Ion: 136 Resp: 20482

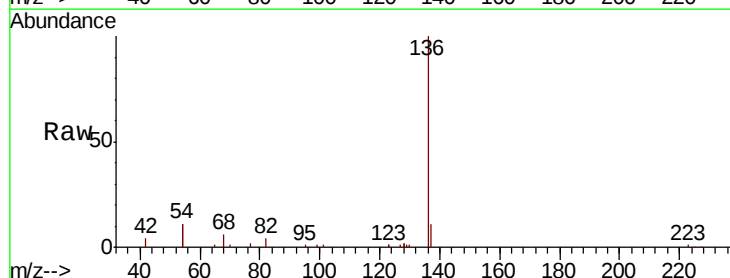
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 23.0 18.9 28.3

68 5.9 4.6 6.8

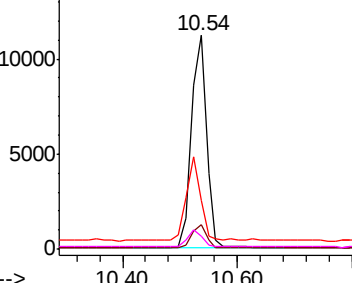


Abundance Ion 136.00 (135.70 to 136.70): E

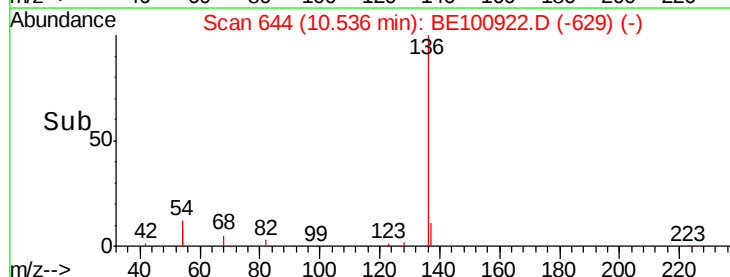
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1



Time-->





#8

Nitrobenzene-d5

Concen: 0.482 ng

RT: 8.90 min Scan# 518

Delta R.T. -0.00 min

Lab File: BE100922.D

Acq: 16 Dec 2019 16:21

Instrument :

BNA\_E

ClientSampleId :

DUP06-20191209

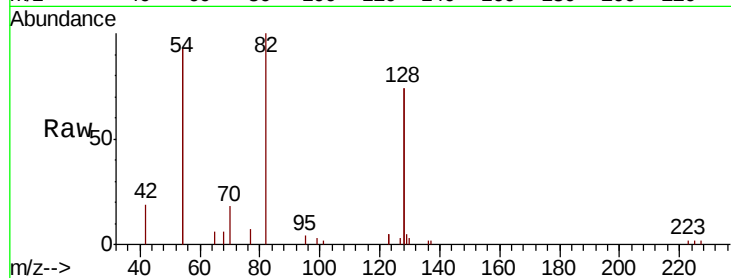
Tot Ion: 82 Resp: 4704

Ion Ratio Lower Upper

82 100

128 147.6 113.5 170.3

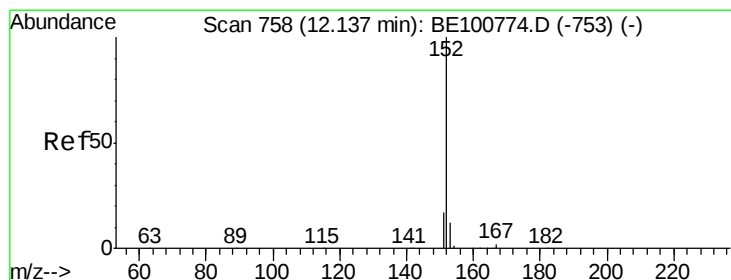
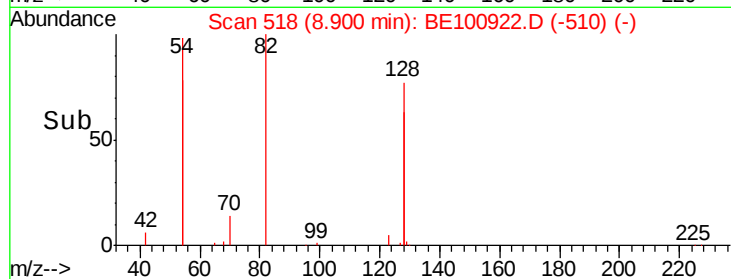
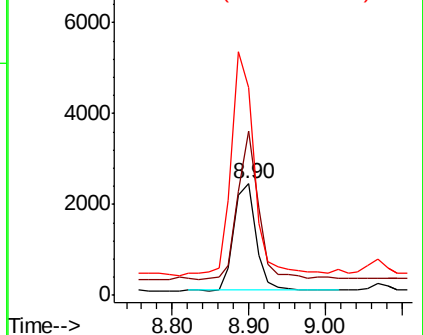
54 186.8 138.9 208.3



Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): BE1

Ion 54.00 (53.70 to 54.70): BE1



#11

2-Methylnaphthalene-d10

Concen: 0.362 ng

RT: 12.12 min Scan# 757

Delta R.T. -0.01 min

Lab File: BE100922.D

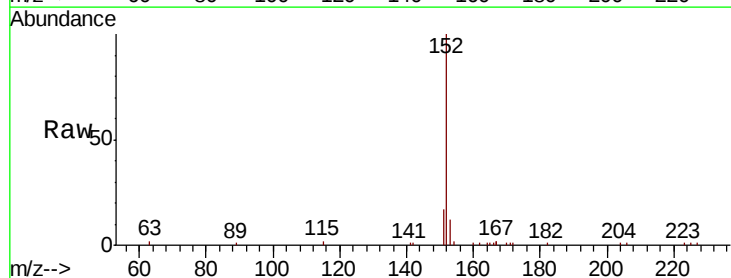
Acq: 16 Dec 2019 16:21

Tgt Ion: 152 Resp: 10730

Ion Ratio Lower Upper

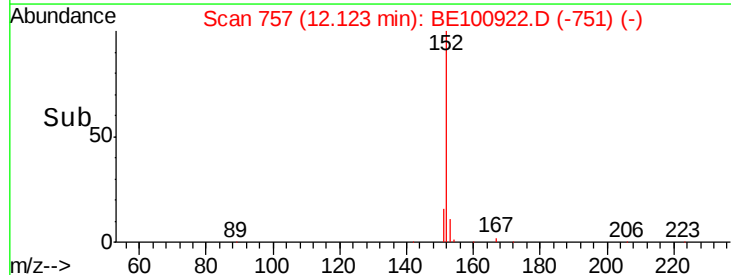
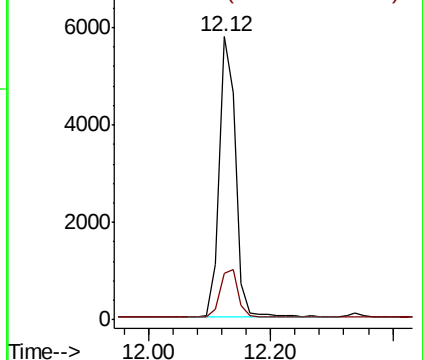
152 100

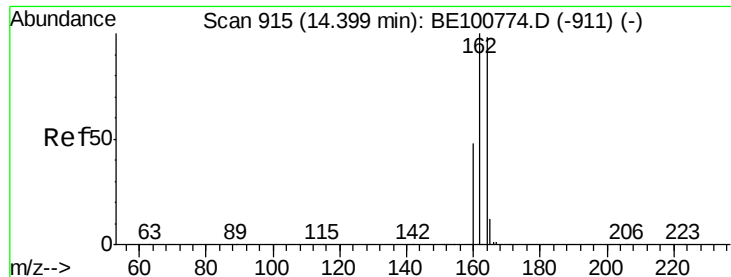
151 19.3 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): BE1

Ion 151.00 (150.70 to 151.70): BE1

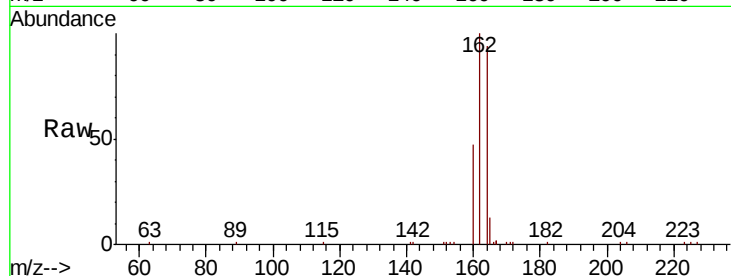




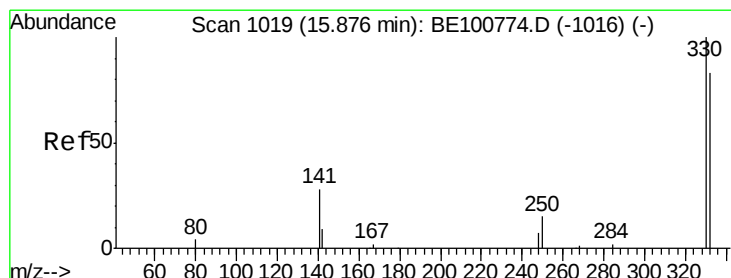
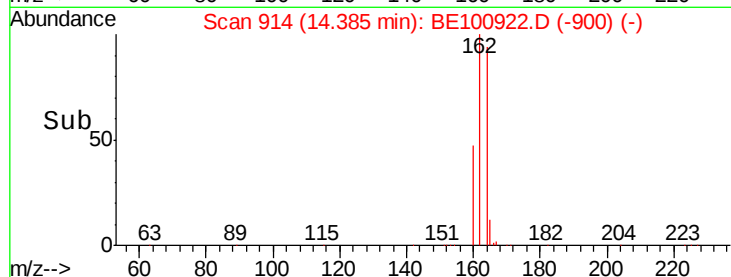
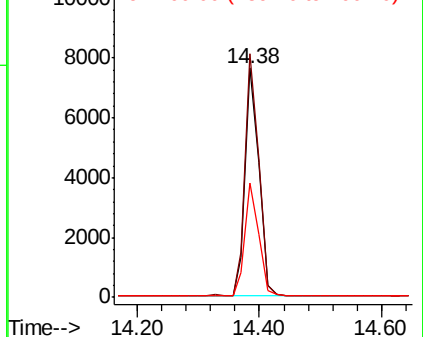
#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.38 min Scan# 914  
Delta R.T. 0.00 min  
Lab File: BE100922.D  
Acq: 16 Dec 2019 16:21

Instrument :  
BNA\_E  
ClientSampleId :  
DUP06-20191209

Tot Ion:164 Resp: 11953  
Ion Ratio Lower Upper  
164 100  
162 106.3 86.0 129.0  
160 50.1 42.3 63.5

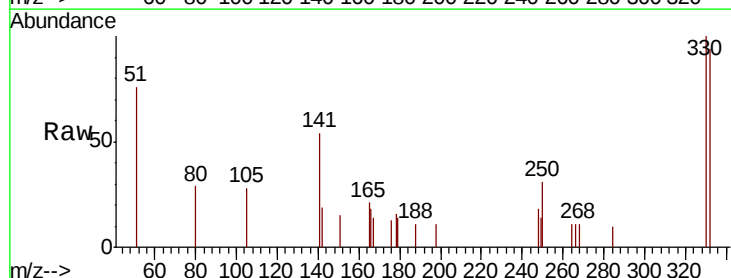


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

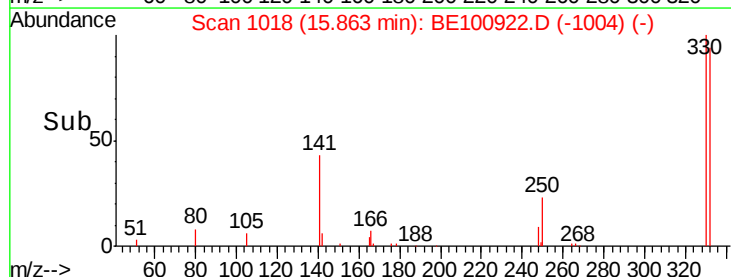
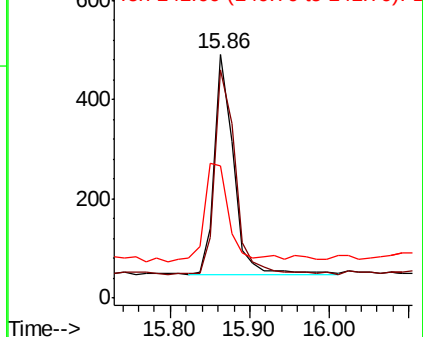


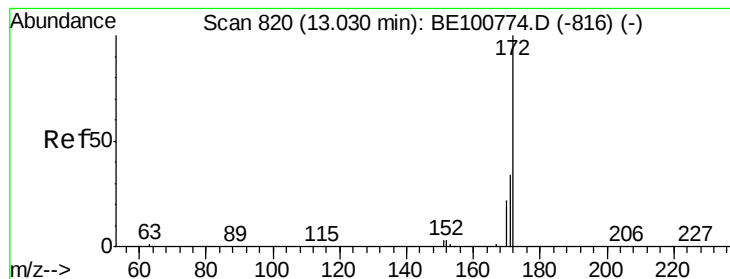
#14  
2,4,6-Tribromophenol  
Concen: 0.562 ng  
RT: 15.86 min Scan# 1018  
Delta R.T. -0.01 min  
Lab File: BE100922.D  
Acq: 16 Dec 2019 16:21

Tgt Ion:330 Resp: 747  
Ion Ratio Lower Upper  
330 100  
332 101.1 74.1 111.1  
141 57.8 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

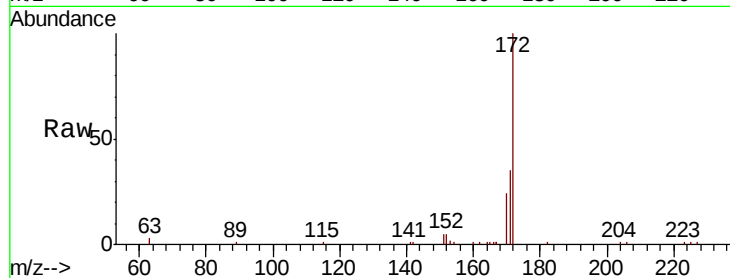




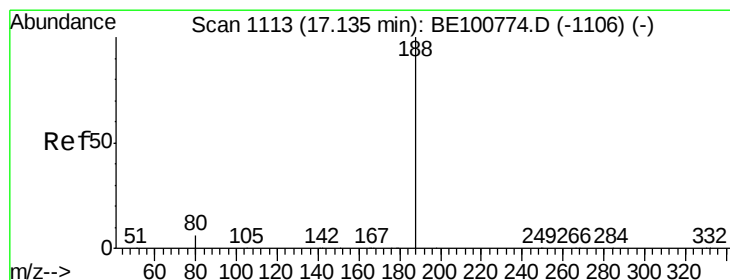
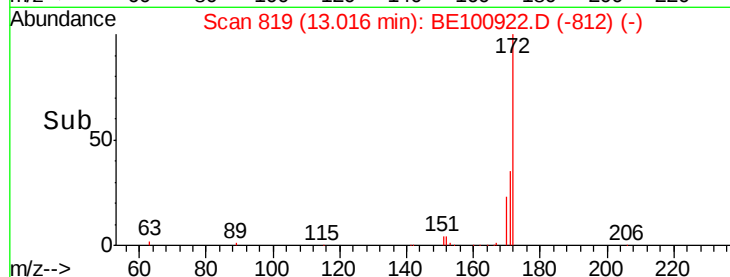
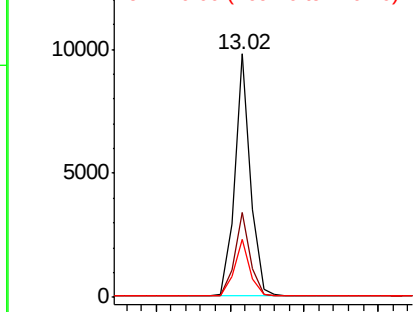
#15  
2-Fluorobiphenyl  
Concen: 0.303 ng  
RT: 13.02 min Scan# 819  
Delta R.T. 0.00 min  
Lab File: BE100922.D  
Acq: 16 Dec 2019 16:21

Instrument :  
BNA\_E  
ClientSampleId :  
DUP06-20191209

Tot Ion:172 Resp: 14386  
Ion Ratio Lower Upper  
172 100  
171 35.0 28.2 42.4  
170 23.7 19.4 29.0

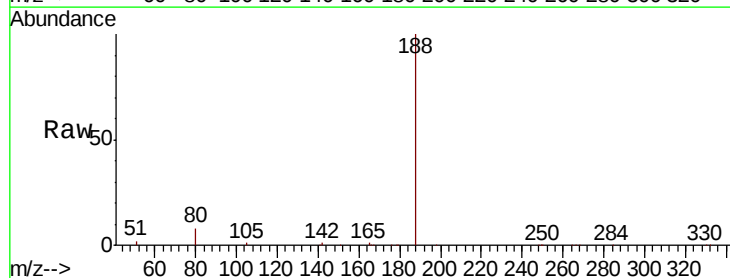


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

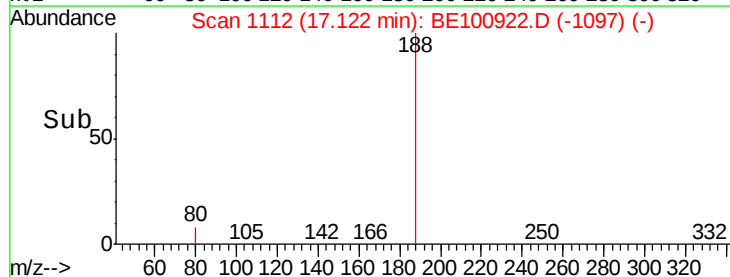
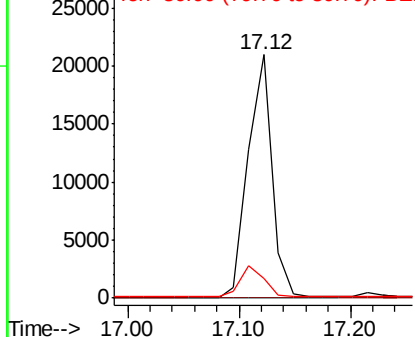


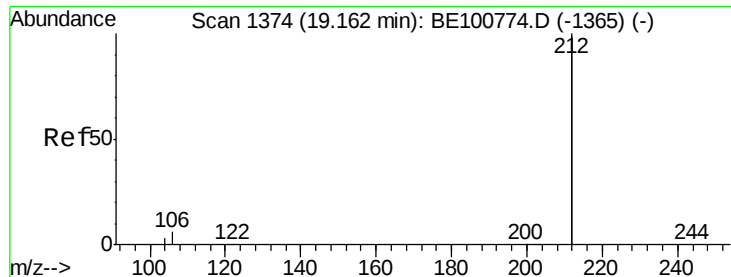
#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.12 min Scan# 1112  
Delta R.T. 0.00 min  
Lab File: BE100922.D  
Acq: 16 Dec 2019 16:21

Tgt Ion:188 Resp: 31316  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 8.2 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: 0.348 ng

RT: 19.15 min Scan# 1372

Delta R.T. -0.00 min

Lab File: BE100922.D

Acq: 16 Dec 2019 16:21

Instrument :

BNA\_E

ClientSampleId :

DUP06-20191209

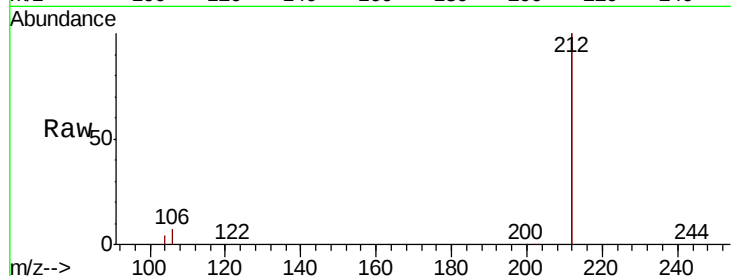
Tot Ion:212 Resp: 128970

Ion Ratio Lower Upper

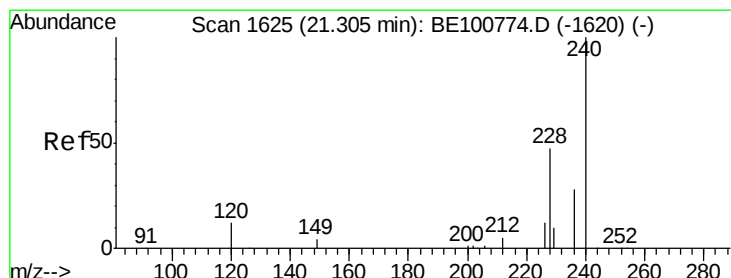
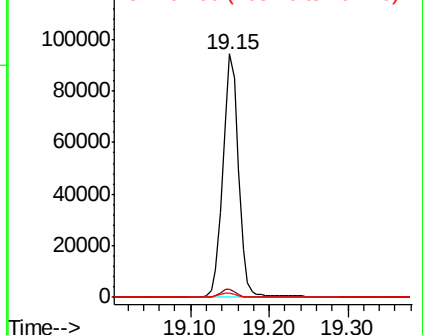
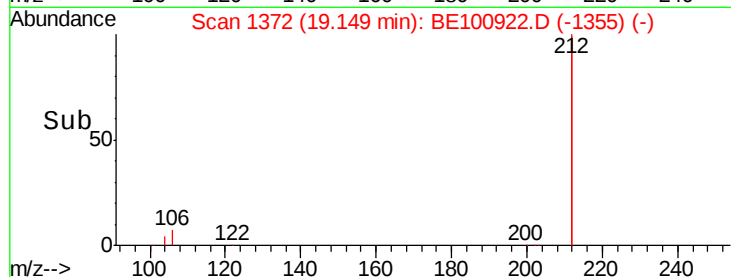
212 100

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: 21.29 min Scan# 1624

Delta R.T. -0.01 min

Lab File: BE100922.D

Acq: 16 Dec 2019 16:21

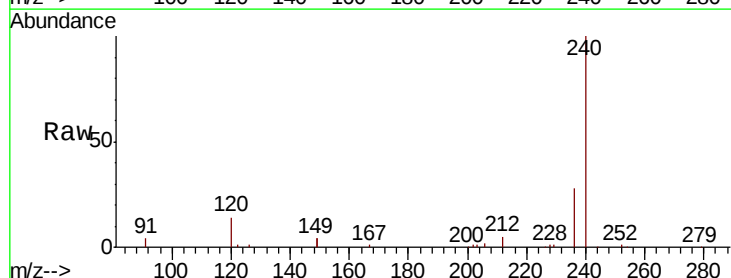
Tgt Ion:240 Resp: 29675

Ion Ratio Lower Upper

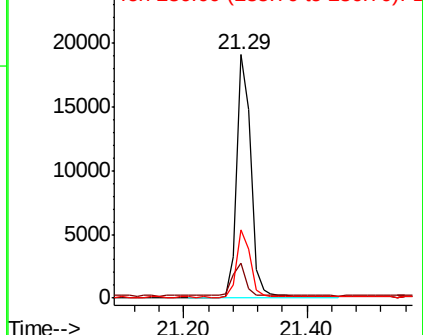
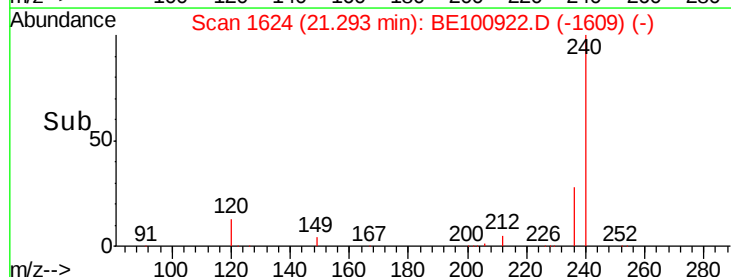
240 100

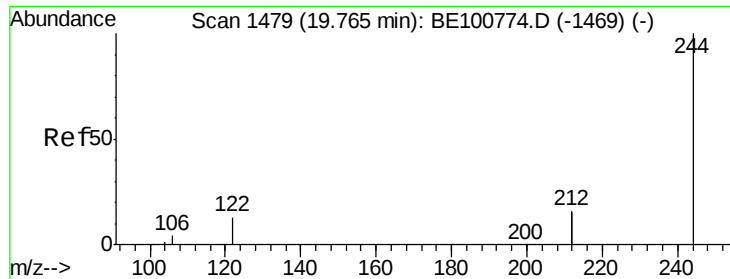
120 14.1 4.0 6.0#

236 27.8 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: 0.343 ng

RT: 19.75 min Scan# 1477

Delta R.T. -0.01 min

Lab File: BE100922.D

Acq: 16 Dec 2019 16:21

Instrument :

BNA\_E

ClientSampleId :

DUP06-20191209

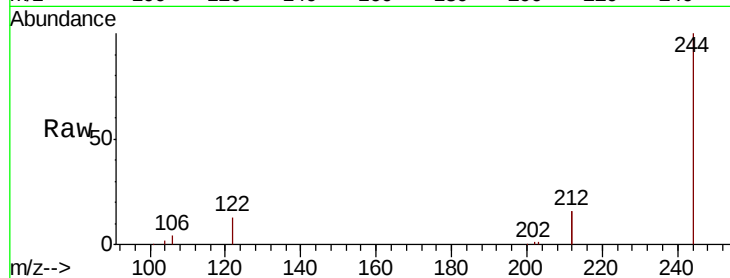
Tot Ion:244 Resp: 24398

Ion Ratio Lower Upper

244 100

212 32.0 25.2 37.8

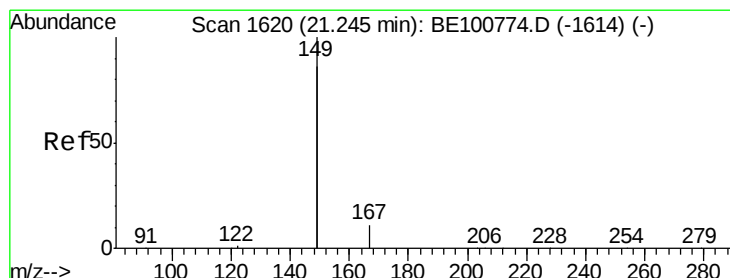
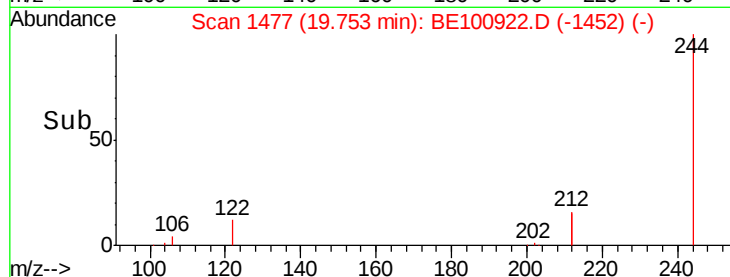
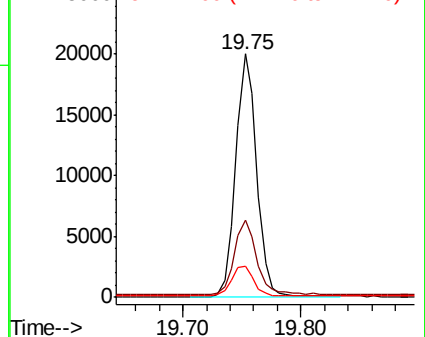
122 12.8 8.9 13.3



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: 0.892 ng

RT: 21.23 min Scan# 1619

Delta R.T. -0.00 min

Lab File: BE100922.D

Acq: 16 Dec 2019 16:21

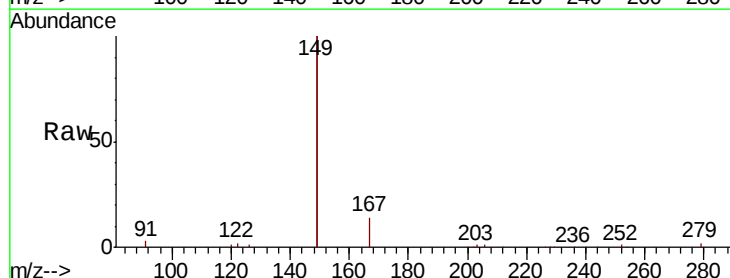
Tgt Ion:149 Resp: 58446

Ion Ratio Lower Upper

149 100

167 6.3 5.0 7.4

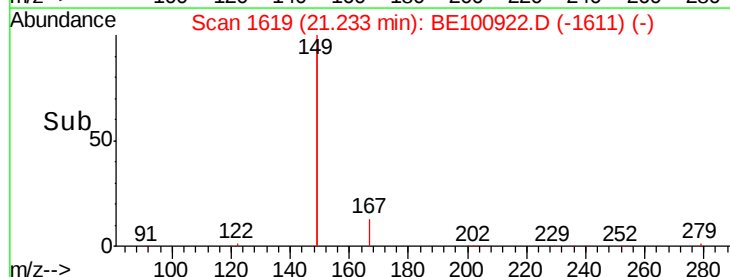
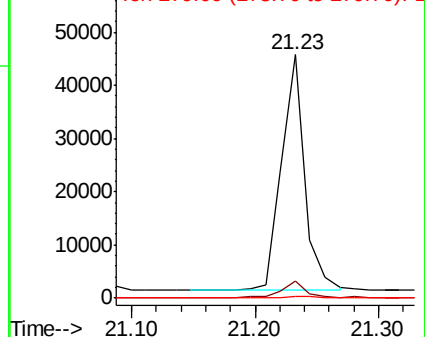
279 0.8 0.6 1.0

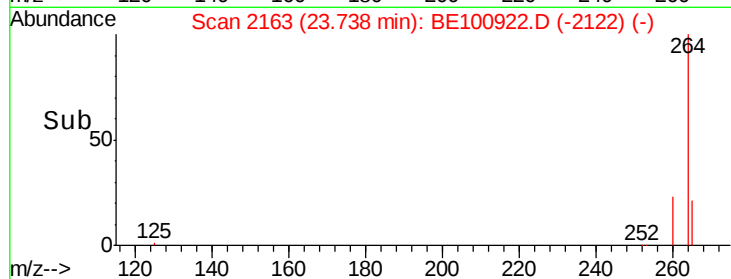
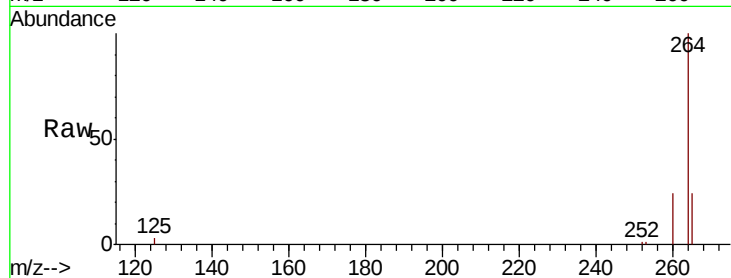


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#34

Pervlene-d12

Concen: 0.400 ng

RT: 23.74 min Scan# 2163

Delta R.T. -0.00 min

Lab File: BE100922.D

Acq: 16 Dec 2019 16:21

Instrument :

BNA\_E

ClientSampleId :

DUP06-20191209

Tot Ion: 264 Resp: 33375

Ion Ratio Lower Upper

264 100

260 23.6 19.4 29.0

265 24.3 20.1 30.1

