

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121319\  
 Data File : BE100911.D  
 Acq On : 14 Dec 2019 6:52  
 Operator : JU  
 Sample : K6251-21  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: Dec 16 00:30:24 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

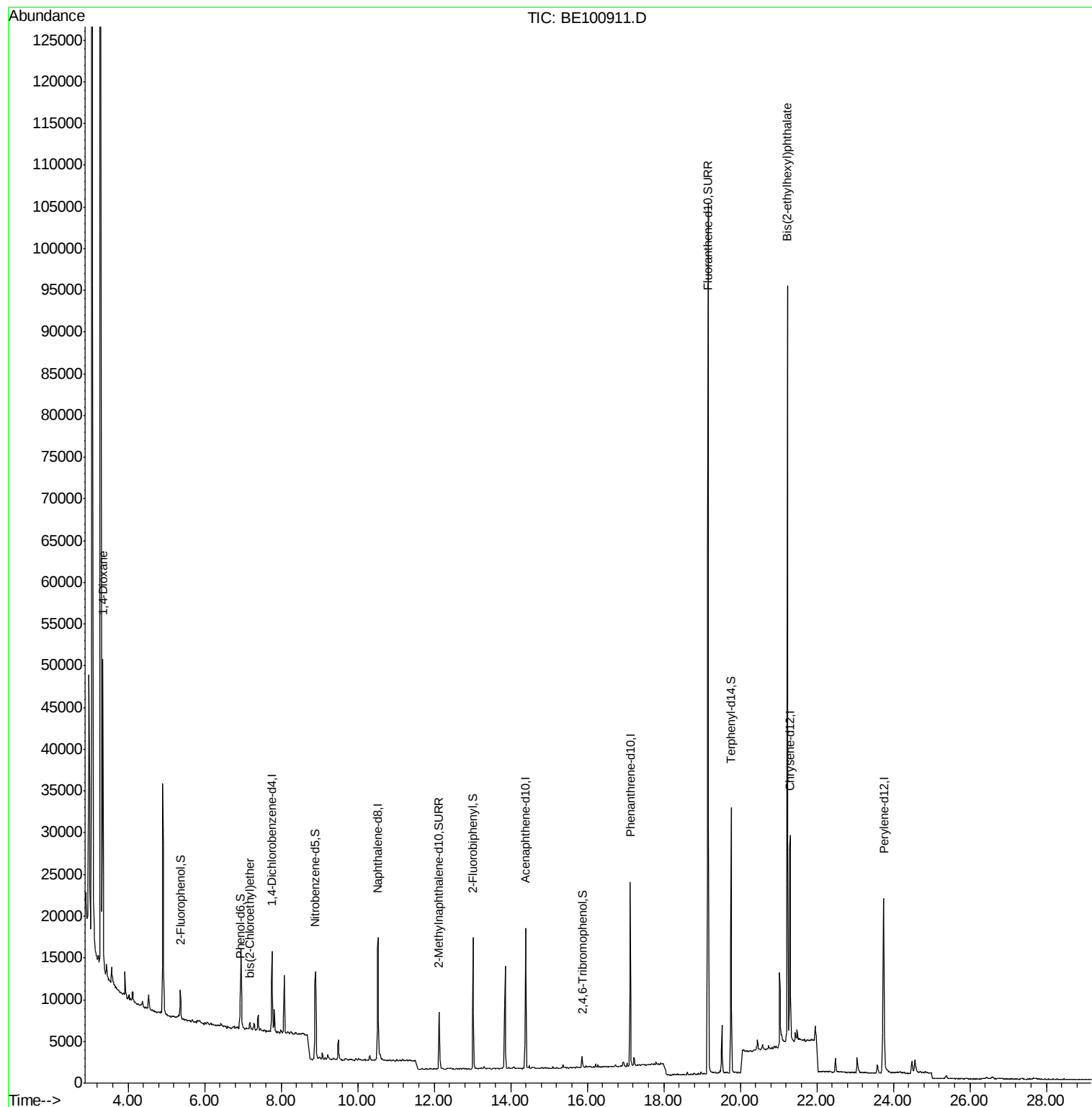
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.76  | 152  | 4119     | 0.40  | ng    | 0.00     |
| 7) Naphthalene-d8              | 10.54 | 136  | 18199    | 0.40  | ng    | 0.00     |
| 13) Acenaphthene-d10           | 14.39 | 164  | 10432    | 0.40  | ng    | 0.00     |
| 19) Phenanthrene-d10           | 17.12 | 188  | 28139    | 0.40  | ng    | 0.00     |
| 27) Chrysene-d12               | 21.31 | 240  | 28483    | 0.40  | ng    | 0.00     |
| 34) Perylene-d12               | 23.75 | 264  | 32294    | 0.40  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 5.36  | 112  | 1727     | 0.18  | ng    | -0.01    |
| 5) Phenol-d6                   | 6.93  | 99   | 1609     | 0.11  | ng    | 0.00     |
| 8) Nitrobenzene-d5             | 8.90  | 82   | 4693     | 0.54  | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10    | 12.12 | 152  | 10199    | 0.39  | ng    | -0.01    |
| 14) 2,4,6-Tribromophenol       | 15.88 | 330  | 813      | 0.70  | ng    | 0.00     |
| 15) 2-Fluorobiphenyl           | 13.02 | 172  | 13722    | 0.33  | ng    | 0.00     |
| 25) Fluoranthene-d10           | 19.16 | 212  | 135569   | 0.41  | ng    | 0.00     |
| 29) Terphenyl-d14              | 19.76 | 244  | 25830    | 0.38  | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       |          |
| 2) 1,4-Dioxane                 | 3.34  | 88   | 21077    | 2.807 | ng    | # 79     |
| 6) bis(2-Chloroethyl)ether     | 7.18  | 93   | 397      | 0.028 | ng    | # 93     |
| 32) Bis(2-ethylhexyl)phthalate | 21.23 | 149  | 90882    | 1.308 | ng    | 99       |

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

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Misc :  
ALS Vial : 33 Sample Multiplier: 1

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BNA\_E  
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QLast Update : Fri Dec 13 10:42:38 2019  
Response via : Initial Calibration

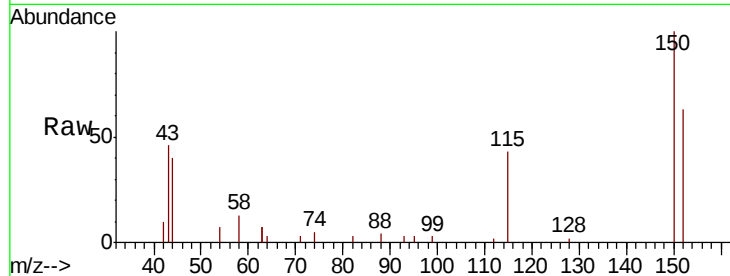




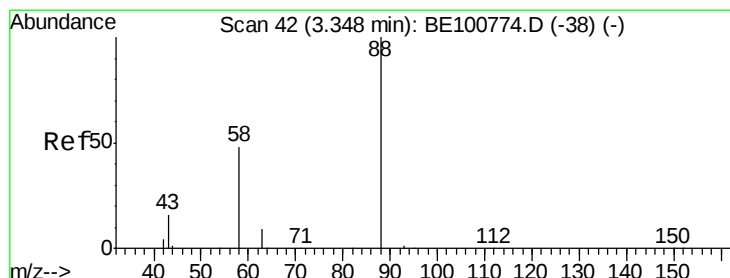
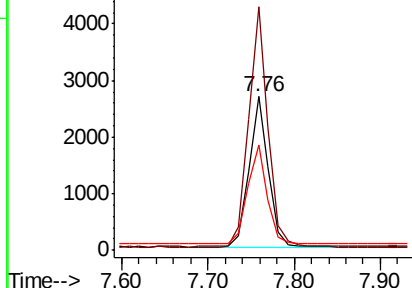
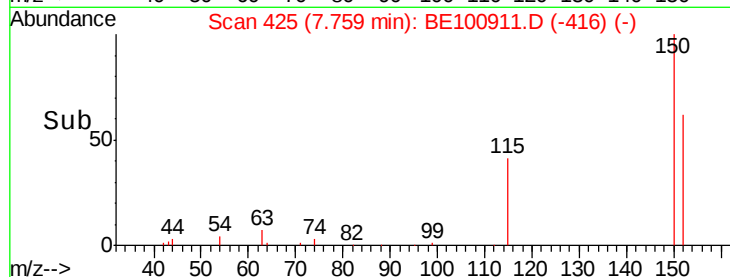
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.76 min Scan# 425  
 Delta R.T. 0.00 min  
 Lab File: BE100911.D  
 Acq: 14 Dec 2019 6:52

Instrument :  
 BNA\_E  
 ClientSampleId :

Tot Ion:152 Resp: 4119  
 Ion Ratio Lower Upper  
 152 100  
 150 158.3 125.5 188.3  
 115 68.6 55.7 83.5

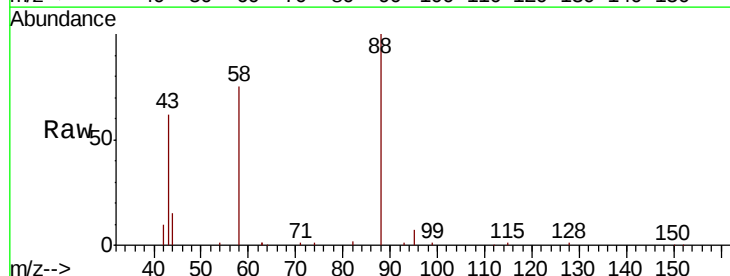


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

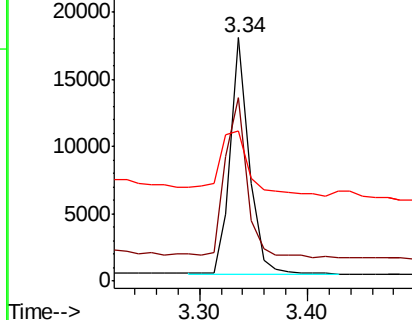
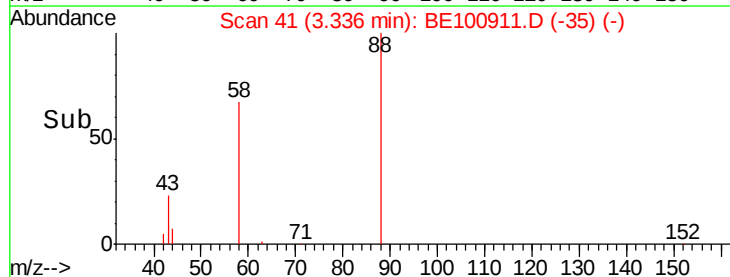


#2  
 1,4-Dioxane  
 Concen: 2.807 ng  
 RT: 3.34 min Scan# 41  
 Delta R.T. 0.00 min  
 Lab File: BE100911.D  
 Acq: 14 Dec 2019 6:52

Tgt Ion: 88 Resp: 21077  
 Ion Ratio Lower Upper  
 88 100  
 58 78.6 52.3 78.5#  
 43 45.6 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: 0.177 ng

RT: 5.36 min Scan# 217

Delta R.T. -0.01 min

Lab File: BE100911.D

Acq: 14 Dec 2019 6:52

Instrument :

BNA\_E

ClientSampleId :

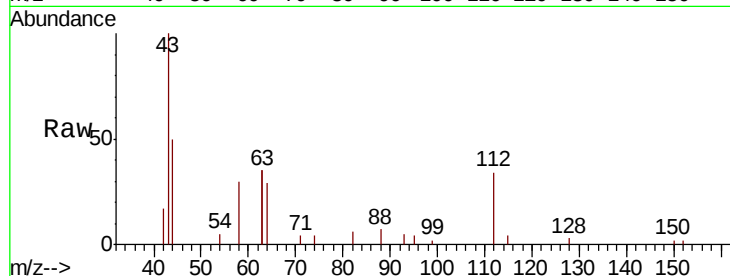
Tot Ion: 112 Resp: 1727

Ion Ratio Lower Upper

112 100

64 68.2 54.5 81.7

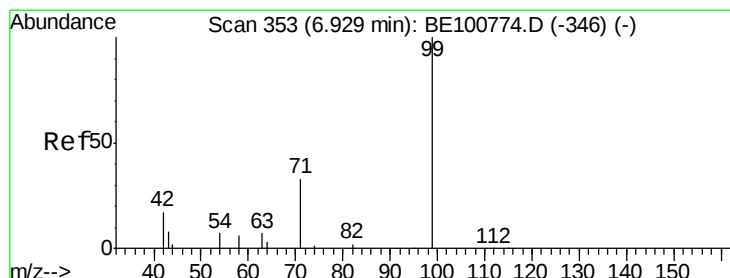
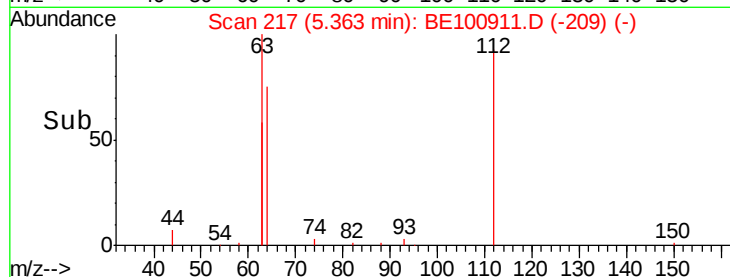
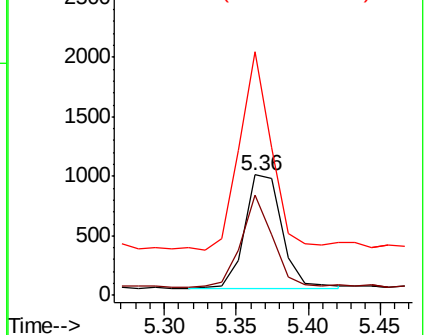
63 146.1 116.1 174.1



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: 0.109 ng

RT: 6.93 min Scan# 353

Delta R.T. 0.00 min

Lab File: BE100911.D

Acq: 14 Dec 2019 6:52

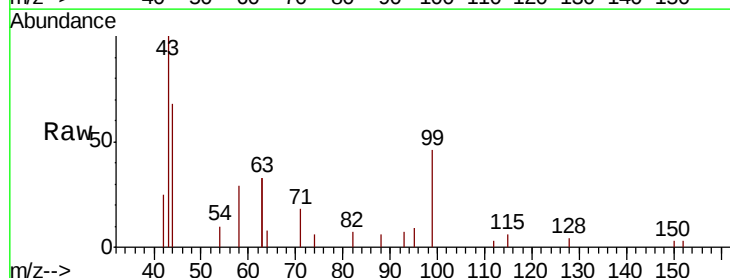
Tgt Ion: 99 Resp: 1609

Ion Ratio Lower Upper

99 100

42 55.7 18.2 27.2#

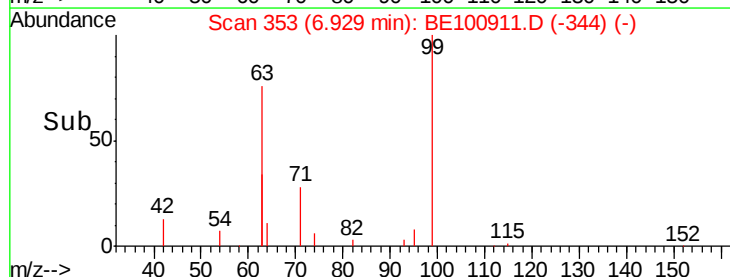
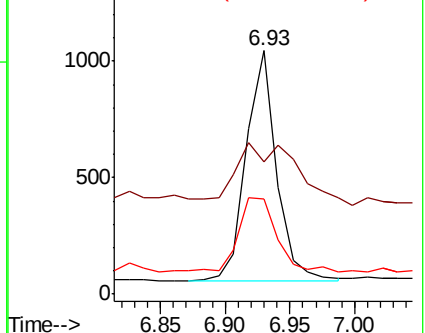
71 42.0 29.1 43.7

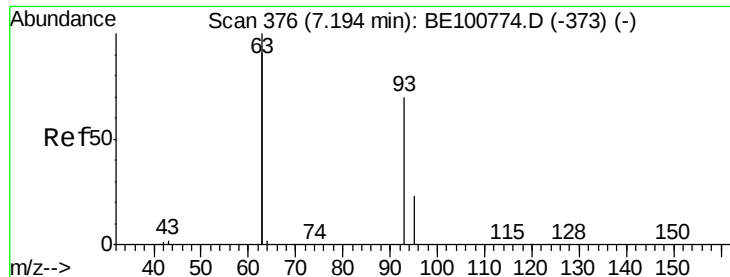


Abundance Ion 99.00 (98.70 to 99.70): BE1

Ion 42.00 (41.70 to 42.70): BE1

Ion 71.00 (70.70 to 71.70): BE1





#6

bis(2-Chloroethyl)ether

Concen: 0.028 ng

RT: 7.18 min Scan# 375

Delta R.T. 0.00 min

Lab File: BE100911.D

Acq: 14 Dec 2019 6:52

Instrument :

BNA\_E

ClientSampleId :

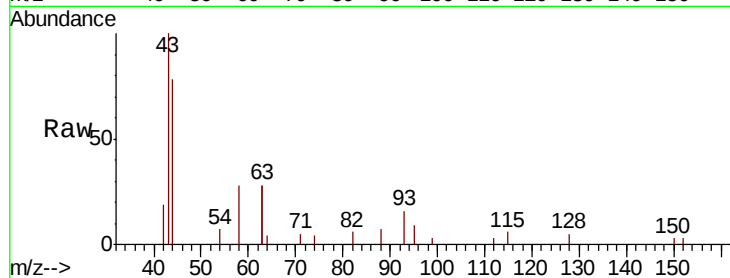
Tot Ion: 93 Resp: 397

Ion Ratio Lower Upper

93 100

63 328.0 253.9 380.9

95 46.6 25.0 37.6#

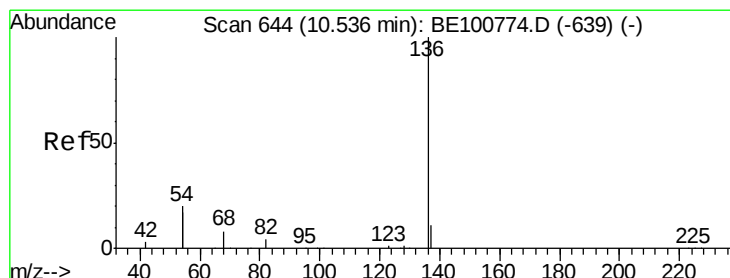
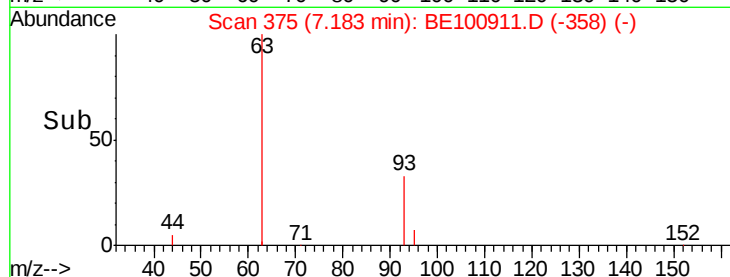
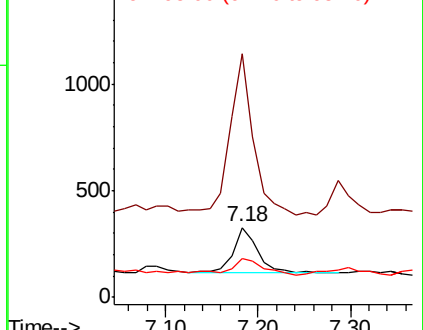


Abundance

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



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.54 min Scan# 644

Delta R.T. -0.00 min

Lab File: BE100911.D

Acq: 14 Dec 2019 6:52

Tgt Ion: 136 Resp: 18199

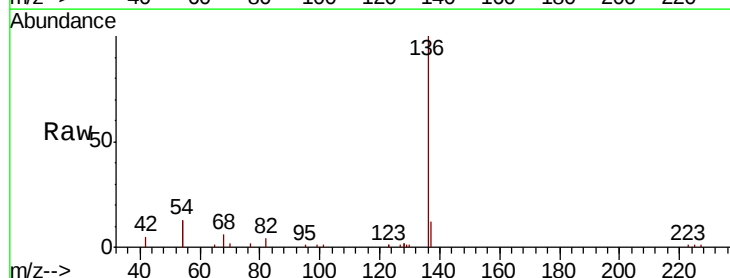
Ion Ratio Lower Upper

136 100

137 11.5 9.1 13.7

54 25.2 18.9 28.3

68 5.9 4.6 6.8



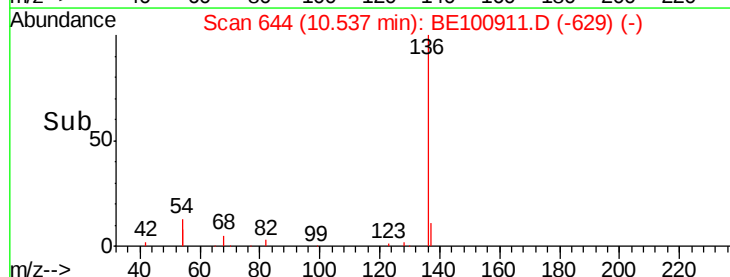
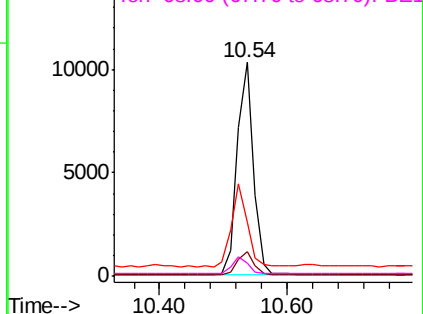
Abundance

Ion 136.00 (135.70 to 136.70): BE1

Ion 137.00 (136.70 to 137.70): BE1

Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1





#8

Nitrobenzene-d5

Concen: 0.542 ng

RT: 8.90 min Scan# 518

Delta R.T. -0.00 min

Lab File: BE100911.D

Acq: 14 Dec 2019 6:52

Instrument :

BNA\_E

ClientSampleId :

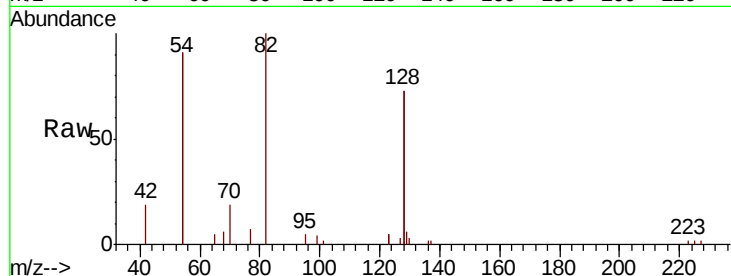
Tot Ion: 82 Resp: 4693

Ion Ratio Lower Upper

82 100

128 146.5 113.5 170.3

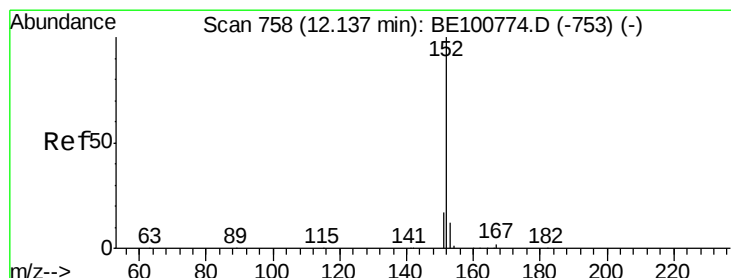
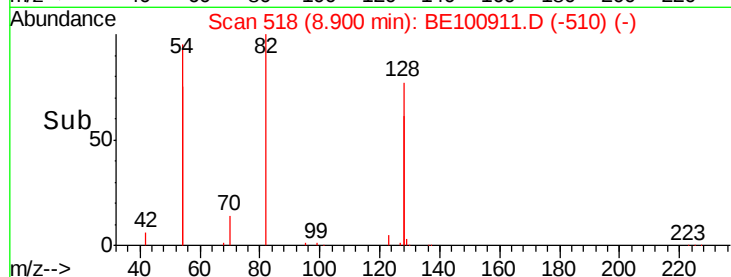
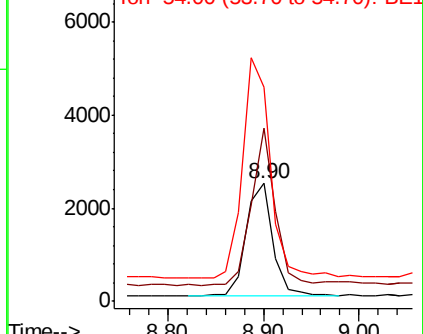
54 181.9 138.9 208.3



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: 0.387 ng

RT: 12.12 min Scan# 757

Delta R.T. -0.01 min

Lab File: BE100911.D

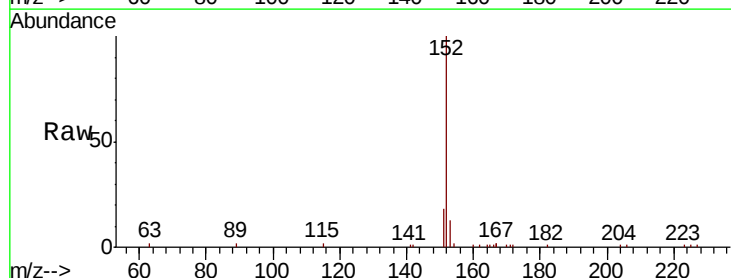
Acq: 14 Dec 2019 6:52

Tgt Ion: 152 Resp: 10199

Ion Ratio Lower Upper

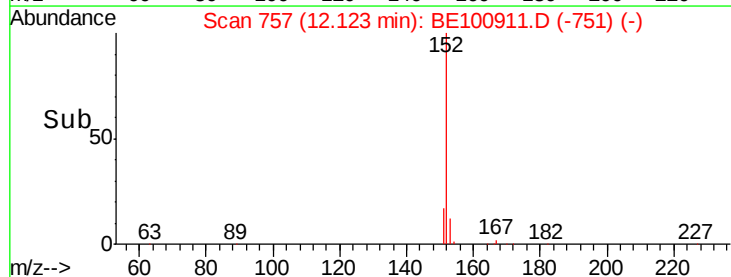
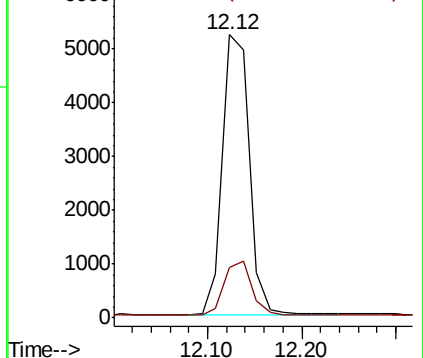
152 100

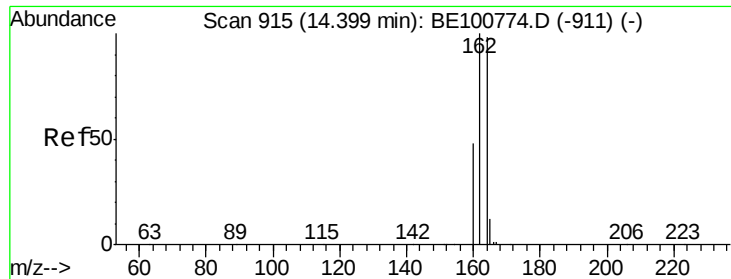
151 19.7 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

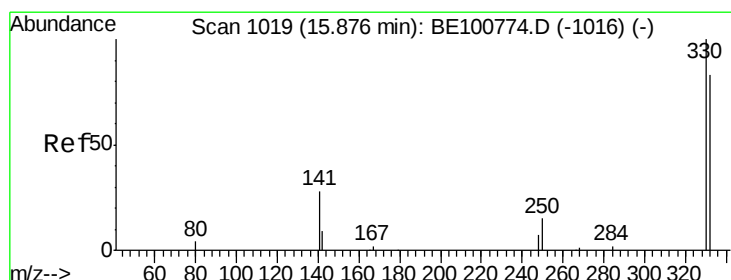
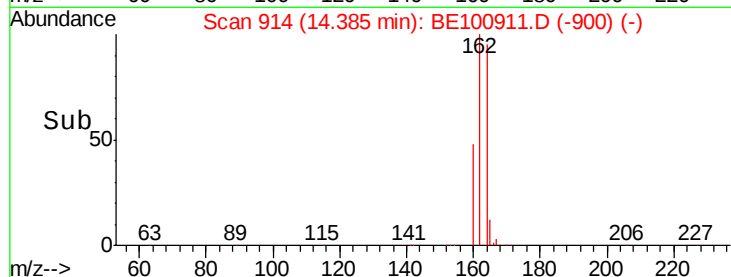
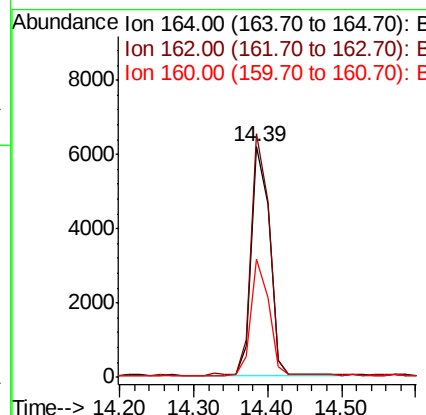
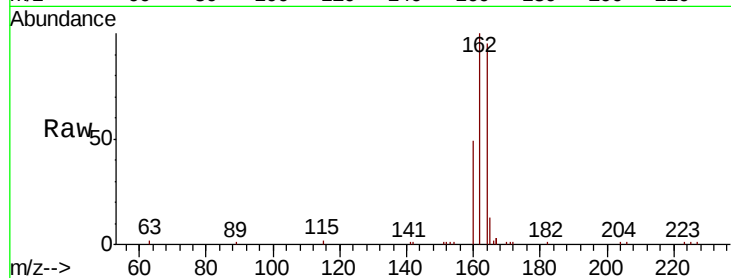




#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.39 min Scan# 914  
 Delta R.T. 0.00 min  
 Lab File: BE100911.D  
 Acq: 14 Dec 2019 6:52

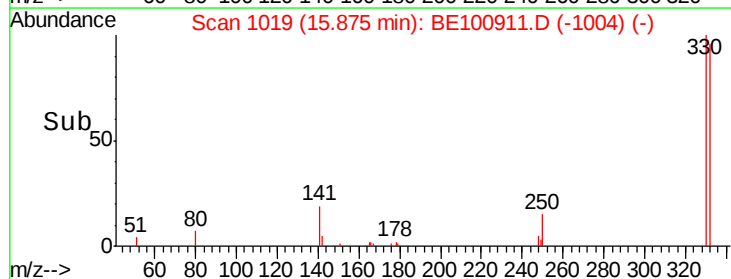
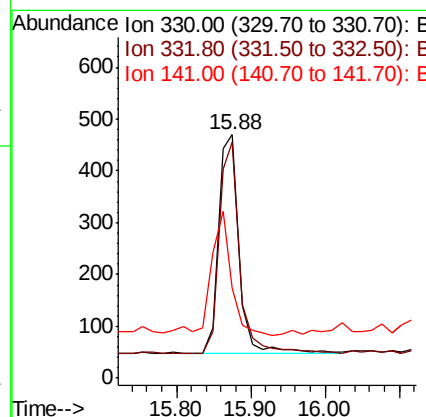
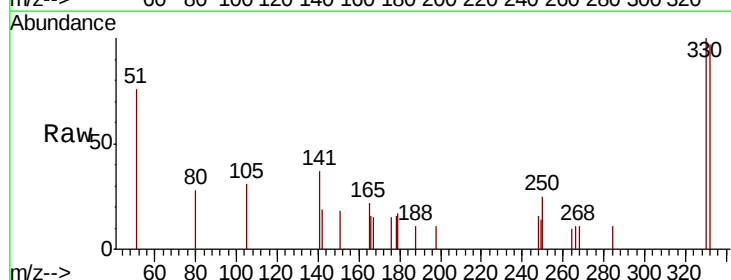
Instrument :  
 BNA\_E  
 ClientSampleId :

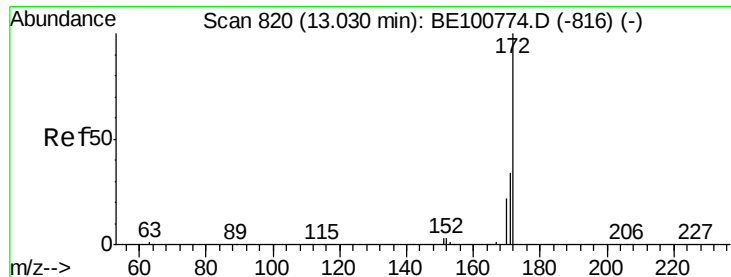
Tot Ion:164 Resp: 10432  
 Ion Ratio Lower Upper  
 164 100  
 162 105.6 86.0 129.0  
 160 51.4 42.3 63.5



#14  
 2,4,6-Tribromophenol  
 Concen: 0.701 ng  
 RT: 15.88 min Scan# 1019  
 Delta R.T. 0.00 min  
 Lab File: BE100911.D  
 Acq: 14 Dec 2019 6:52

Tgt Ion:330 Resp: 813  
 Ion Ratio Lower Upper  
 330 100  
 332 99.0 74.1 111.1  
 141 56.5 46.7 70.1

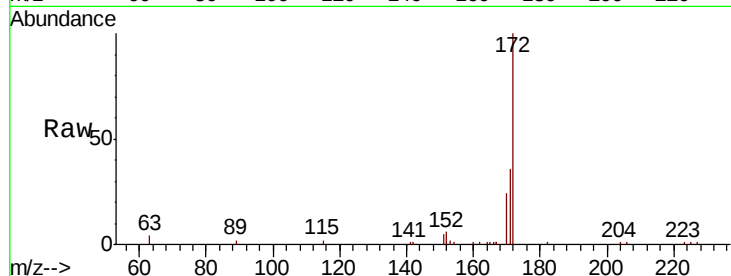




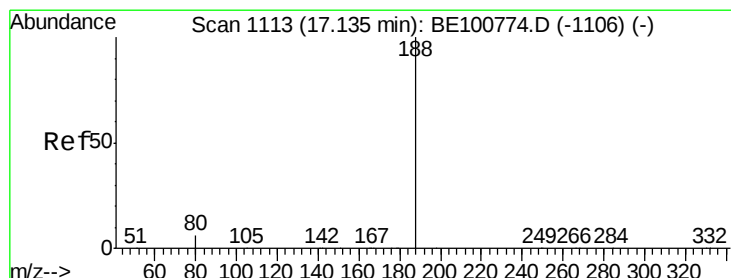
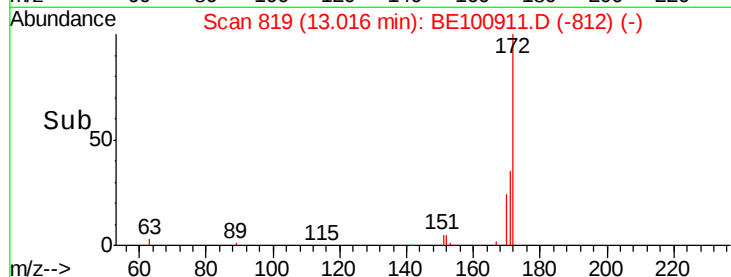
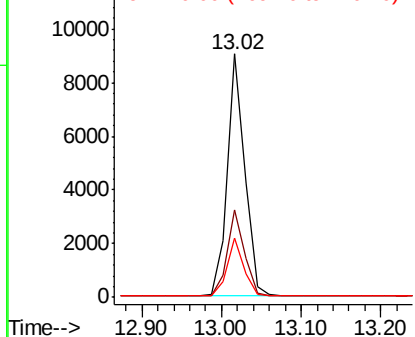
#15  
2-Fluorobiphenyl  
Concen: 0.332 ng  
RT: 13.02 min Scan# 819  
Delta R.T. 0.00 min  
Lab File: BE100911.D  
Acq: 14 Dec 2019 6:52

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:172 Resp: 13722  
Ion Ratio Lower Upper  
172 100  
171 35.8 28.2 42.4  
170 24.2 19.4 29.0

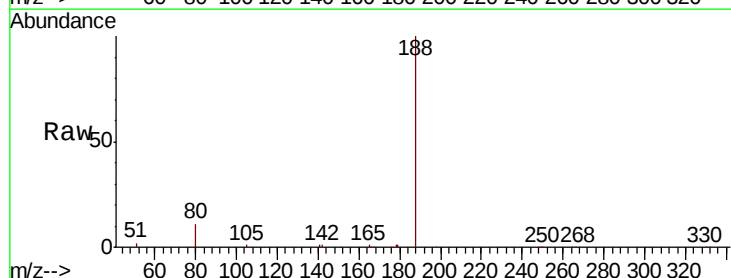


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

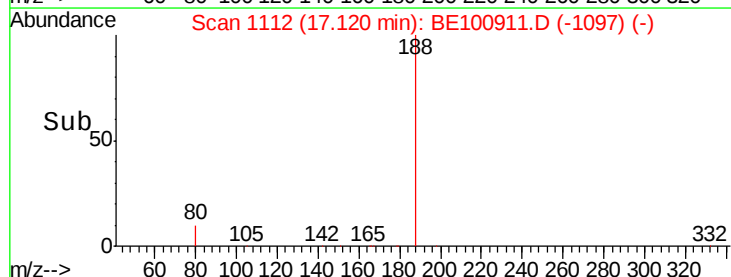
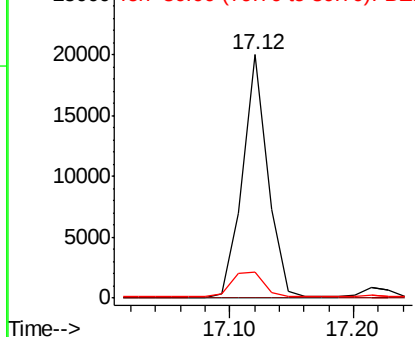


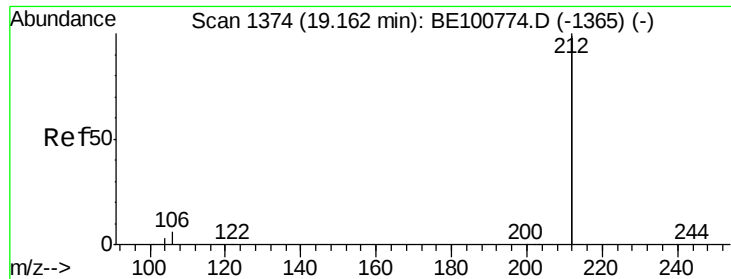
#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.12 min Scan# 1112  
Delta R.T. 0.00 min  
Lab File: BE100911.D  
Acq: 14 Dec 2019 6:52

Tgt Ion:188 Resp: 28139  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 10.6 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

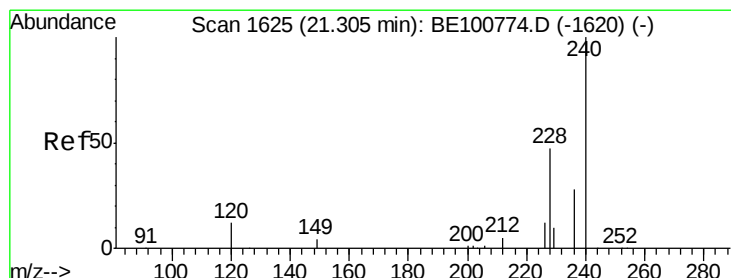
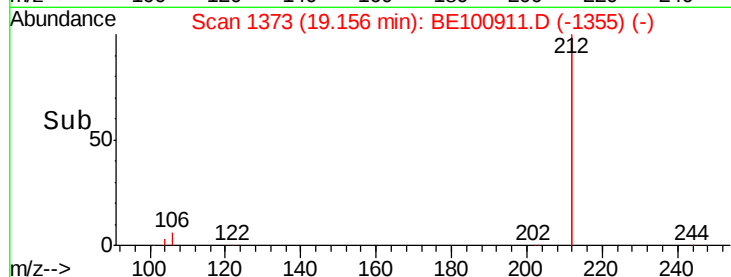
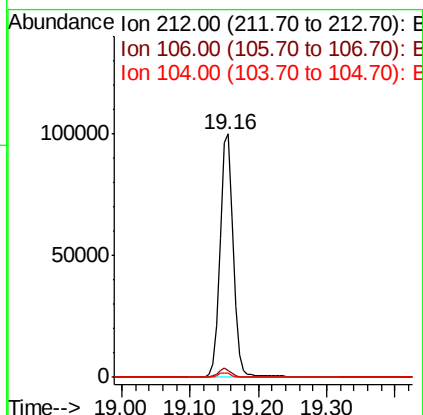
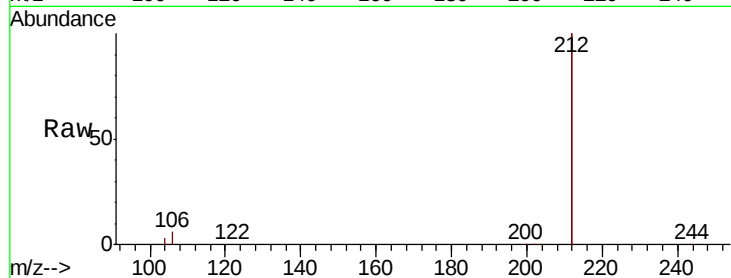




#25  
Fluoranthene-d10  
Concen: 0.408 ng  
RT: 19.16 min Scan# 1373  
Delta R.T. 0.01 min  
Lab File: BE100911.D  
Acq: 14 Dec 2019 6:52

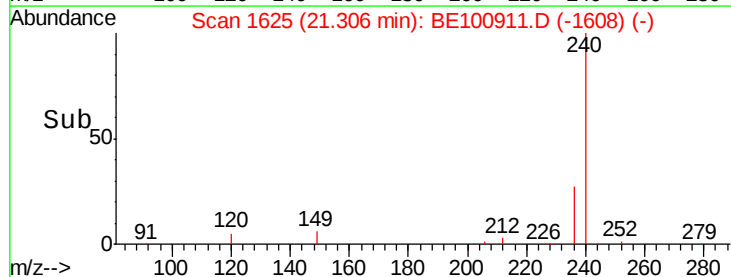
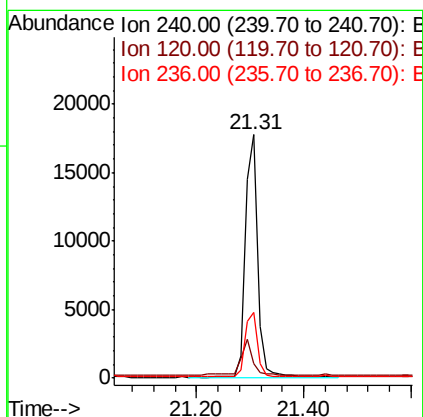
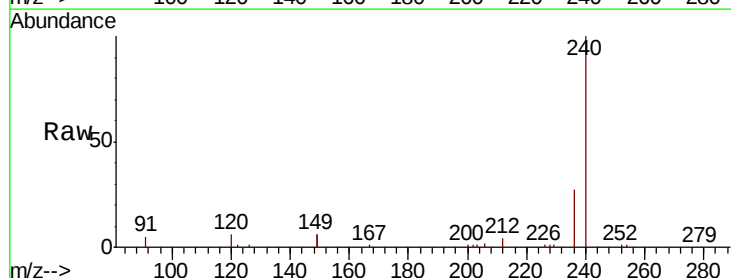
Instrument :  
BNA\_E  
ClientSampled :

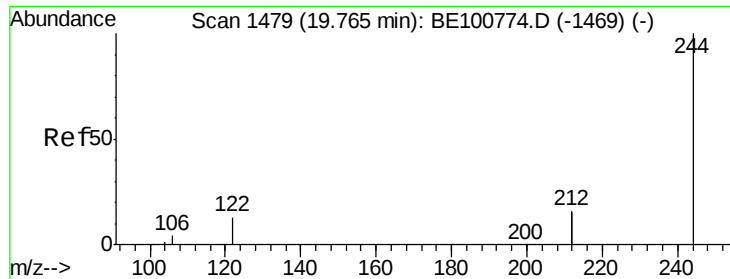
Tot Ion:212 Resp: 135569  
Ion Ratio Lower Upper  
212 100  
106 3.4 2.6 4.0  
104 1.8 1.4 2.2



#27  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.31 min Scan# 1625  
Delta R.T. 0.00 min  
Lab File: BE100911.D  
Acq: 14 Dec 2019 6:52

Tgt Ion:240 Resp: 28483  
Ion Ratio Lower Upper  
240 100  
120 6.1 4.0 6.0#  
236 27.1 21.6 32.4





#29

Terphenyl-d14

Concen: 0.379 ng

RT: 19.76 min Scan# 1478

Delta R.T. 0.00 min

Lab File: BE100911.D

Acq: 14 Dec 2019 6:52

Instrument :

BNA\_E

ClientSampleId :

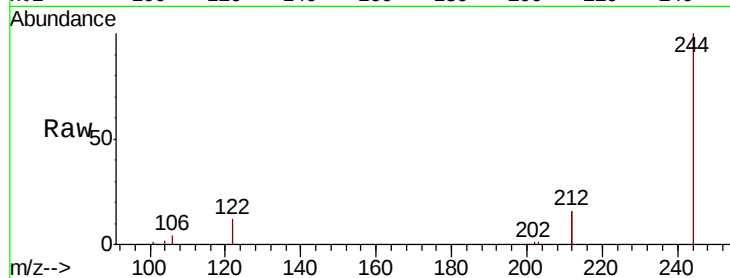
Tot Ion:244 Resp: 25830

Ion Ratio Lower Upper

244 100

212 31.8 25.2 37.8

122 11.9 8.9 13.3

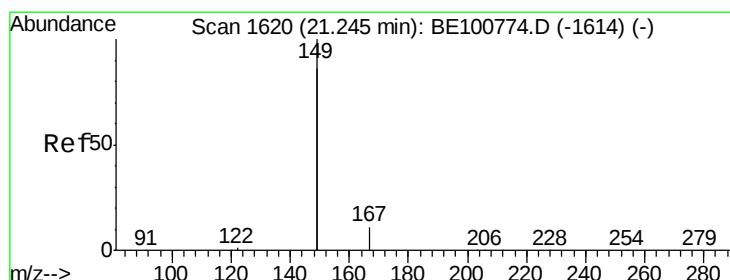
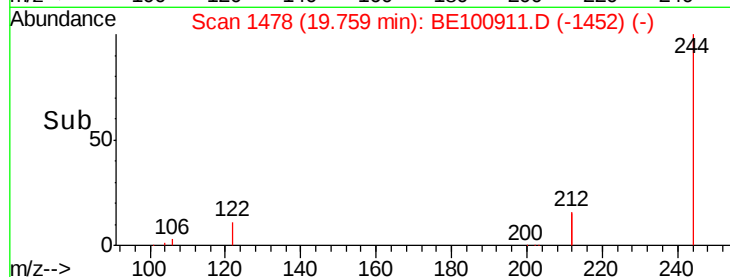
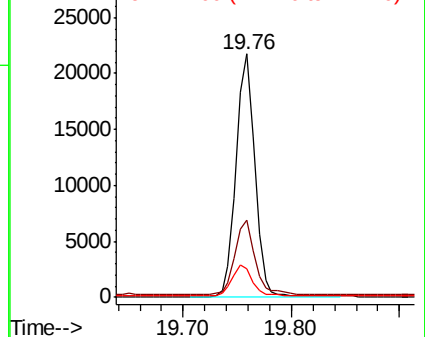


Abundance

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: 1.308 ng

RT: 21.23 min Scan# 1619

Delta R.T. 0.00 min

Lab File: BE100911.D

Acq: 14 Dec 2019 6:52

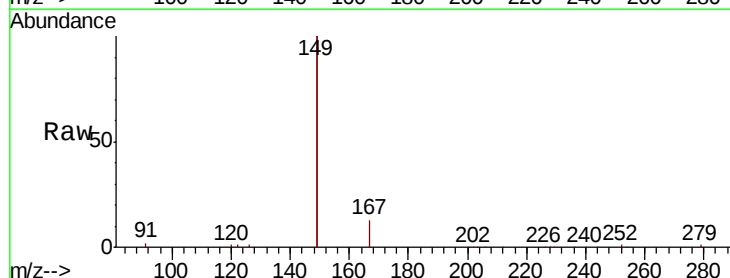
Tgt Ion:149 Resp: 90882

Ion Ratio Lower Upper

149 100

167 6.7 5.0 7.4

279 0.8 0.6 1.0

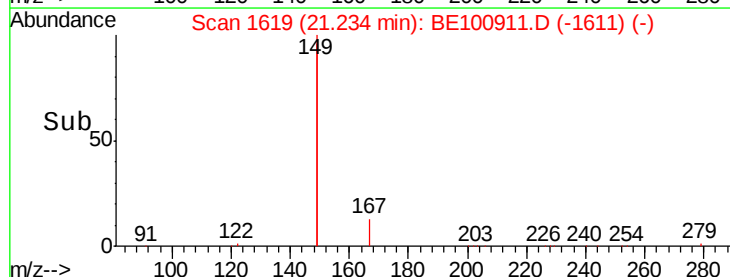
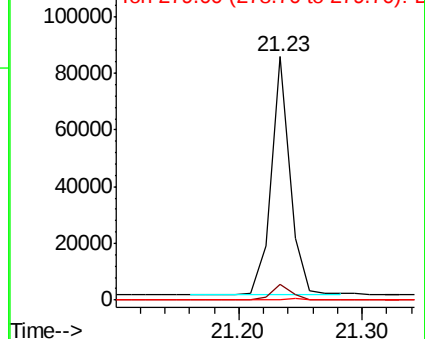


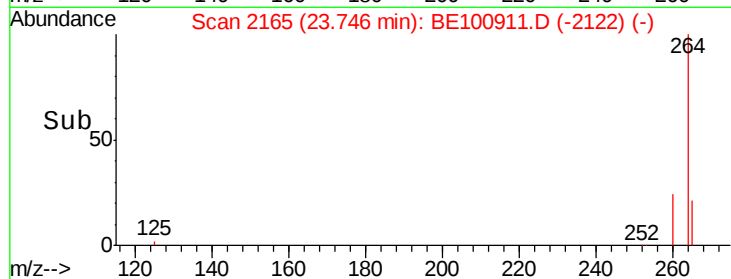
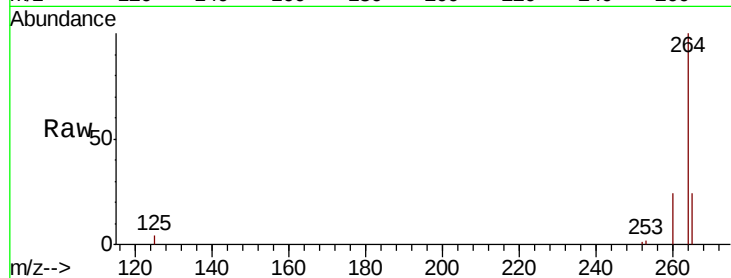
Abundance

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: 23.75 min Scan# 2165

Delta R.T. 0.00 min

Lab File: BE100911.D

Acq: 14 Dec 2019 6:52

Instrument :

BNA\_E

ClientSampleId :

Tot Ion:264 Resp: 32294

Ion Ratio Lower Upper

264 100

260 23.7 19.4 29.0

265 23.9 20.1 30.1

