

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121319\  
 Data File : BE100882.D  
 Acq On : 13 Dec 2019 12:10  
 Operator : JU  
 Sample : K6185-04DL 2X  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 RE134D3-20191204DL

Quant Time: Dec 13 12:59:34 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

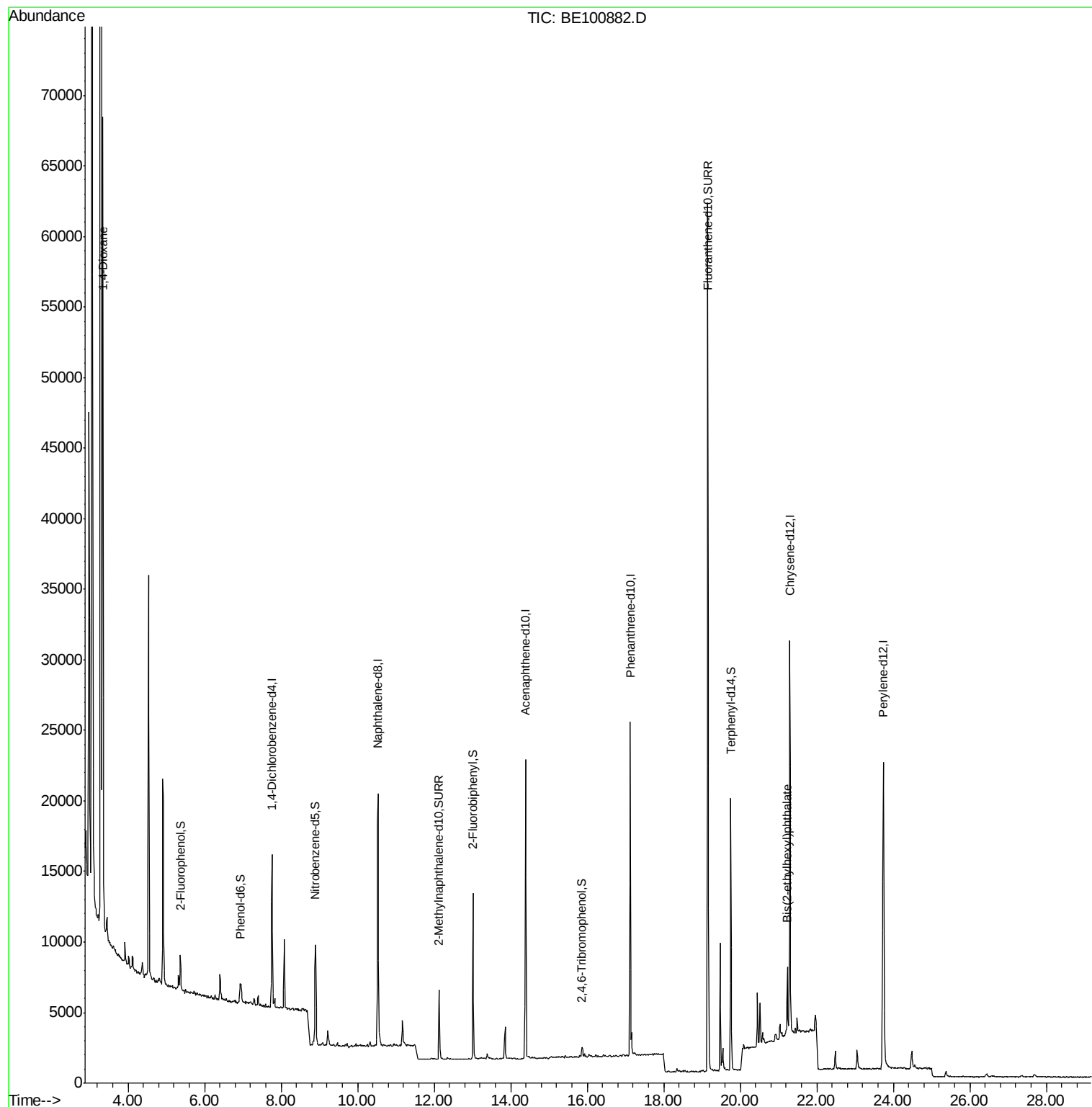
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.76  | 152  | 4761     | 0.40  | ng    | 0.00     |
| 7) Naphthalene-d8              | 10.54 | 136  | 21386    | 0.40  | ng    | 0.00     |
| 13) Acenaphthene-d10           | 14.39 | 164  | 12428    | 0.40  | ng    | 0.00     |
| 19) Phenanthrene-d10           | 17.12 | 188  | 30777    | 0.40  | ng    | 0.00     |
| 27) Chrysene-d12               | 21.29 | 240  | 28645    | 0.40  | ng    | -0.01    |
| 34) Perylene-d12               | 23.74 | 264  | 33372    | 0.40  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 5.36  | 112  | 1223     | 0.11  | ng    | -0.01    |
| 5) Phenol-d6                   | 6.93  | 99   | 1166     | 0.07  | ng    | 0.00     |
| 8) Nitrobenzene-d5             | 8.90  | 82   | 3098     | 0.30  | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10    | 12.12 | 152  | 7192     | 0.23  | ng    | -0.01    |
| 14) 2,4,6-Tribromophenol       | 15.86 | 330  | 407      | 0.29  | ng    | -0.01    |
| 15) 2-Fluorobiphenyl           | 13.02 | 172  | 10138    | 0.21  | ng    | 0.00     |
| 25) Fluoranthene-d10           | 19.15 | 212  | 79277    | 0.22  | ng    | 0.00     |
| 29) Terphenyl-d14              | 19.75 | 244  | 16353    | 0.24  | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       |          |
| 2) 1,4-Dioxane                 | 3.34  | 88   | 36590    | 4.215 | ng    | 90       |
| 32) Bis(2-ethylhexyl)phthalate | 21.23 | 149  | 5493     | 0.029 | ng    | # 93     |

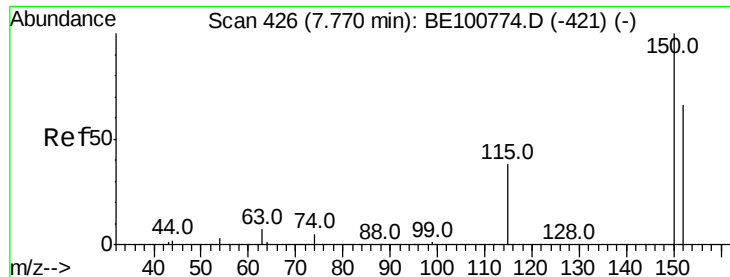
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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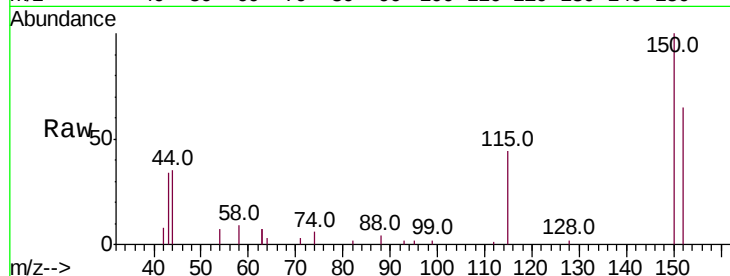


#1

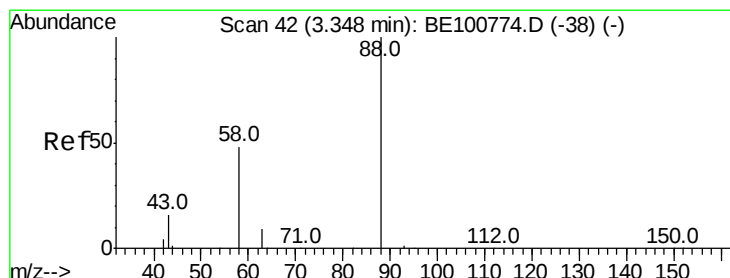
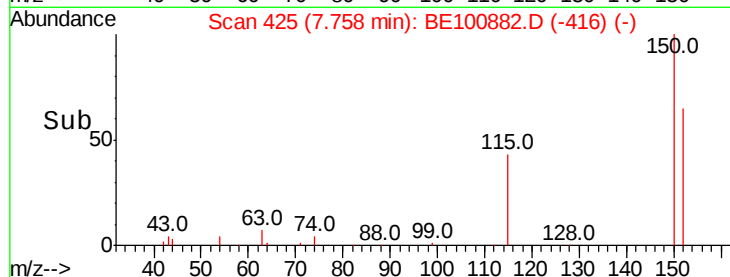
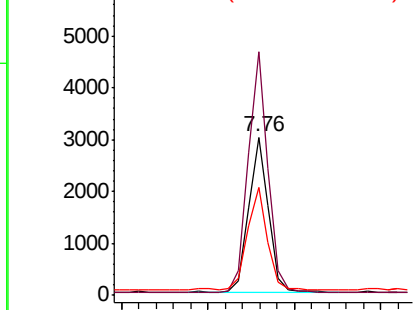
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.76 min Scan# 425  
Delta R.T. 0.00 min  
Lab File: BE100882.D  
Acq: 13 Dec 2019 12:10

Instrument :  
BNA\_E  
ClientSampleId :  
RE134D3-20191204DL

Tot Ion:152 Resp: 4761  
Ion Ratio Lower Upper  
152 100  
150 153.7 125.5 188.3  
115 68.4 55.7 83.5



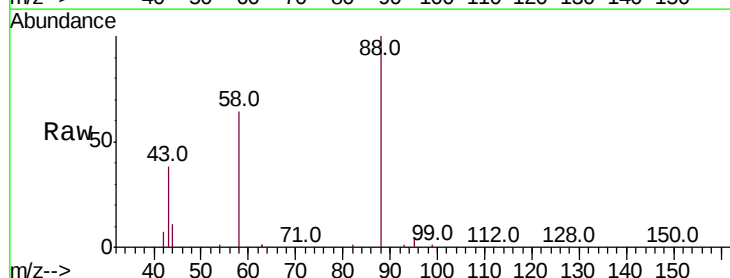
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



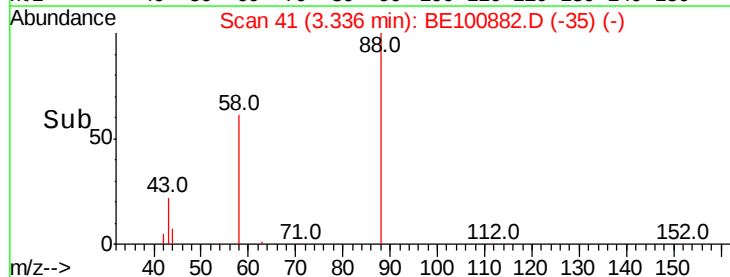
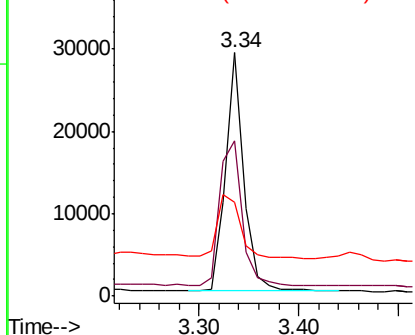
#2

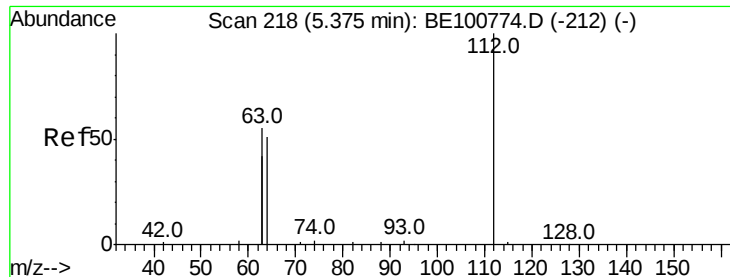
1,4-Dioxane  
Concen: 4.215 ng  
RT: 3.34 min Scan# 41  
Delta R.T. 0.00 min  
Lab File: BE100882.D  
Acq: 13 Dec 2019 12:10

Tgt Ion: 88 Resp: 36590  
Ion Ratio Lower Upper  
88 100  
58 74.2 52.3 78.5  
43 33.0 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: 0.108 ng

RT: 5.36 min Scan# 217

Delta R.T. -0.01 min

Lab File: BE100882.D

Acq: 13 Dec 2019 12:10

Instrument :

BNA\_E

ClientSampleId :

RE134D3-20191204DL

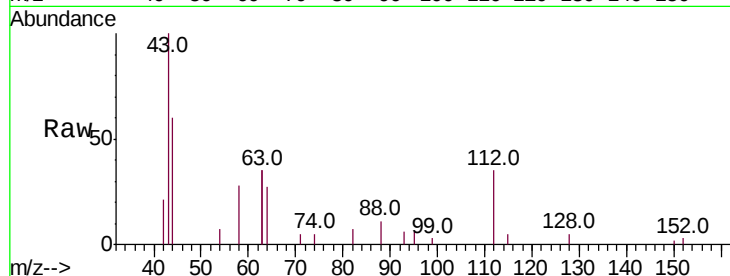
Tot Ion:112 Resp: 1223

Ion Ratio Lower Upper

112 100

64 69.6 54.5 81.7

63 155.6 116.1 174.1

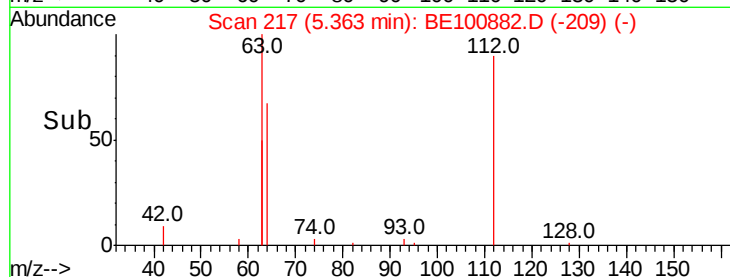


Abundance Ion 112.00 (111.70 to 112.70): BE1

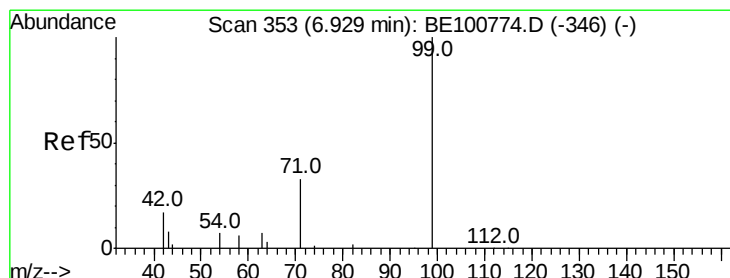
Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1

Time--> 5.25 5.30 5.35 5.40 5.45



Time--> 5.25 5.30 5.35 5.40 5.45



#5

Phenol-d6

Concen: 0.068 ng

RT: 6.93 min Scan# 353

Delta R.T. 0.00 min

Lab File: BE100882.D

Acq: 13 Dec 2019 12:10

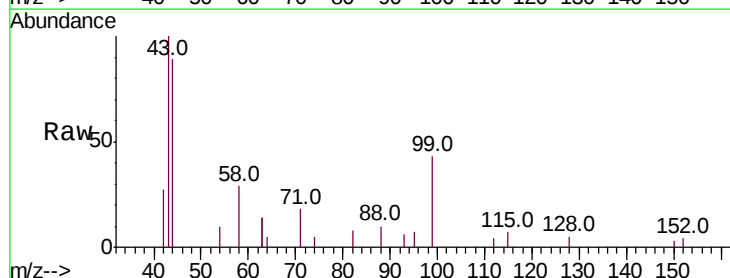
Tgt Ion: 99 Resp: 1166

Ion Ratio Lower Upper

99 100

42 29.8 18.2 27.2#

71 44.2 29.1 43.7#

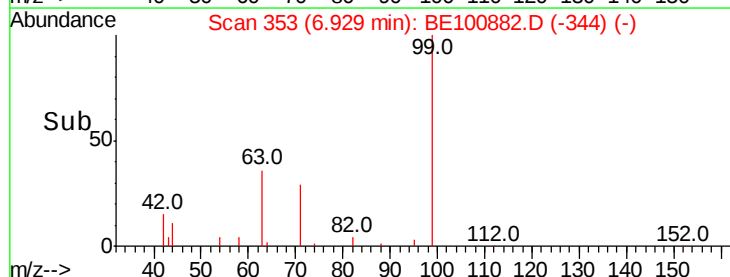


Abundance Ion 99.00 (98.70 to 99.70): BE1

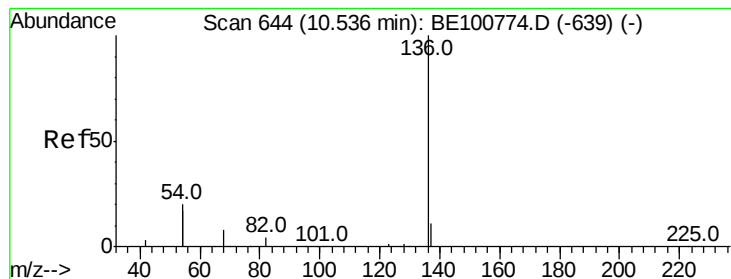
Ion 42.00 (41.70 to 42.70): BE1

Ion 71.00 (70.70 to 71.70): BE1

Time--> 6.80 6.90 7.00



Time--> 6.80 6.90 7.00



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.54 min Scan# 644

Delta R.T. -0.00 min

Lab File: BE100882.D

Acq: 13 Dec 2019 12:10

Instrument :

BNA\_E

ClientSampleId :

RE134D3-20191204DL

Tot Ion:136 Resp: 21386

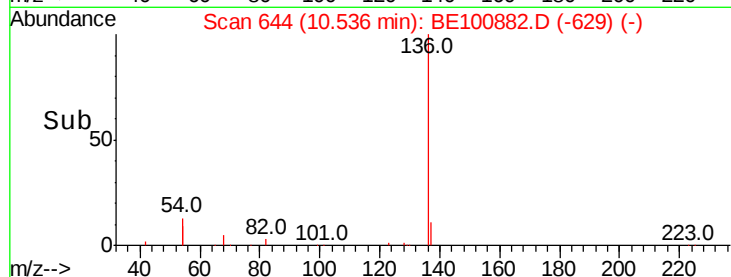
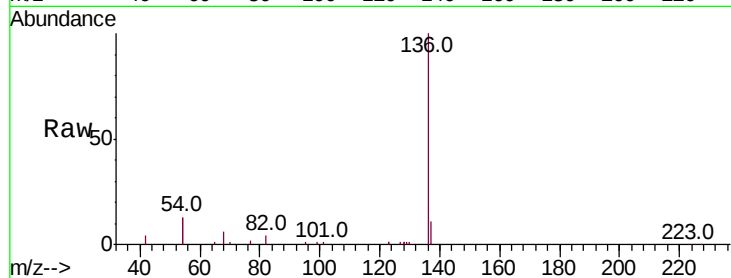
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 25.3 18.9 28.3

68 6.1 4.6 6.8

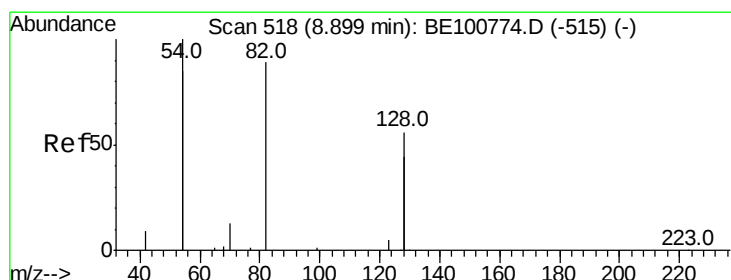
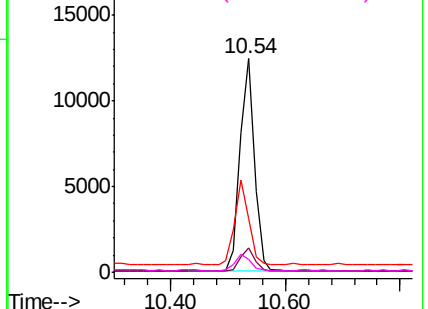


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.304 ng

RT: 8.90 min Scan# 518

Delta R.T. -0.00 min

Lab File: BE100882.D

Acq: 13 Dec 2019 12:10

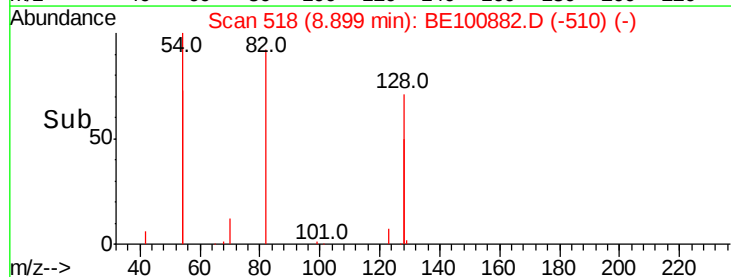
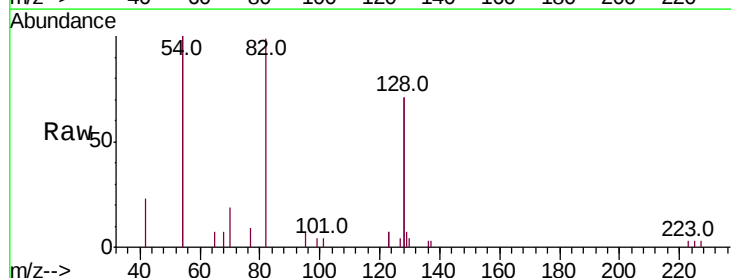
Tgt Ion: 82 Resp: 3098

Ion Ratio Lower Upper

82 100

128 143.4 113.5 170.3

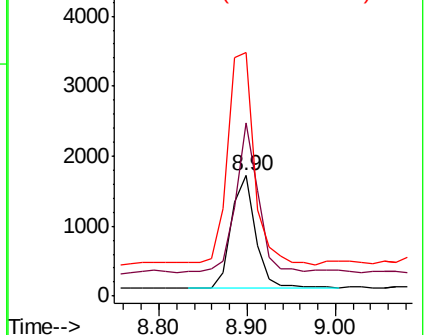
54 201.7 138.9 208.3

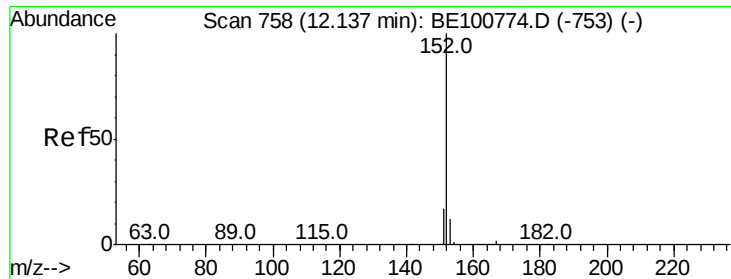


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1

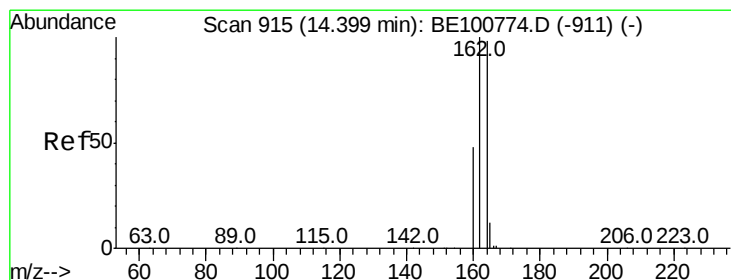
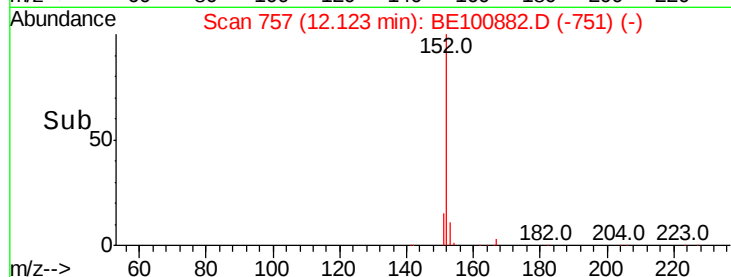
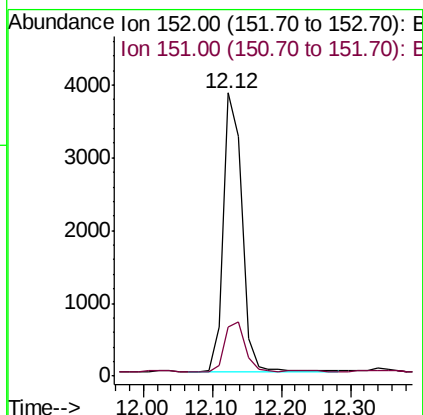
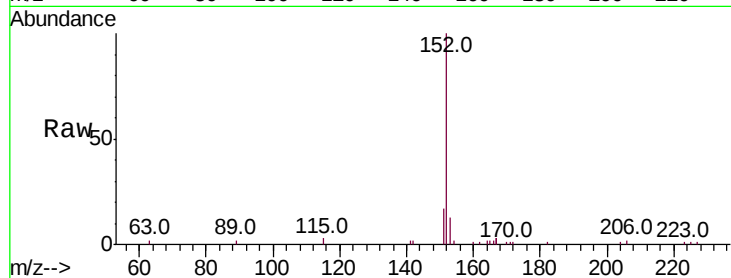




#11  
 2-Methylnaphthalene-d10  
 Concen: 0.232 ng  
 RT: 12.12 min Scan# 757  
 Delta R.T. -0.01 min  
 Lab File: BE100882.D  
 Acq: 13 Dec 2019 12:10

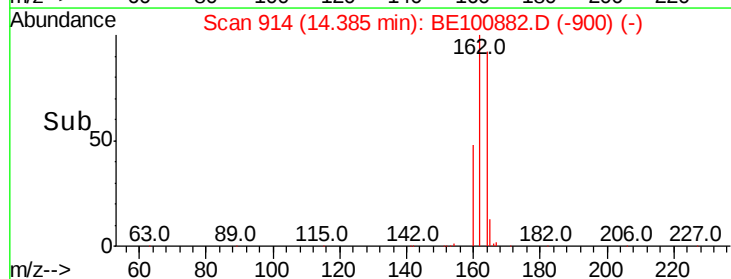
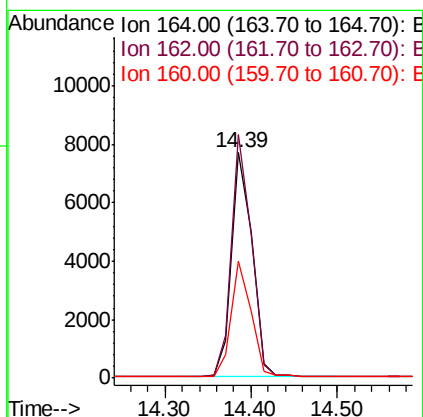
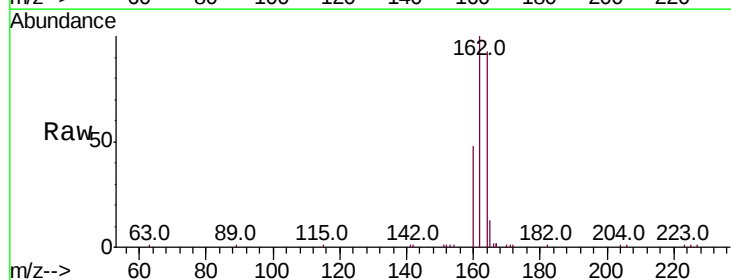
Instrument :  
 BNA\_E  
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 RE134D3-20191204DL

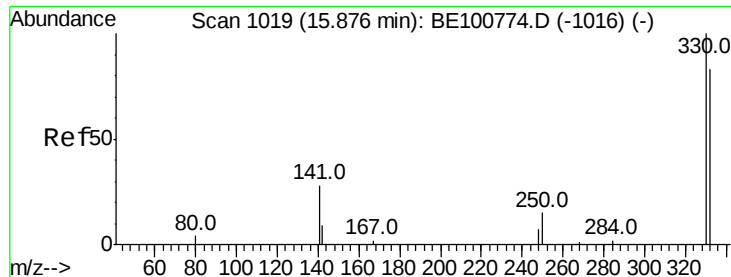
Tot Ion:152 Resp: 7192  
 Ion Ratio Lower Upper  
 152 100  
 151 19.5 15.1 22.7



#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.39 min Scan# 914  
 Delta R.T. 0.00 min  
 Lab File: BE100882.D  
 Acq: 13 Dec 2019 12:10

Tgt Ion:164 Resp: 12428  
 Ion Ratio Lower Upper  
 164 100  
 162 108.0 86.0 129.0  
 160 52.0 42.3 63.5

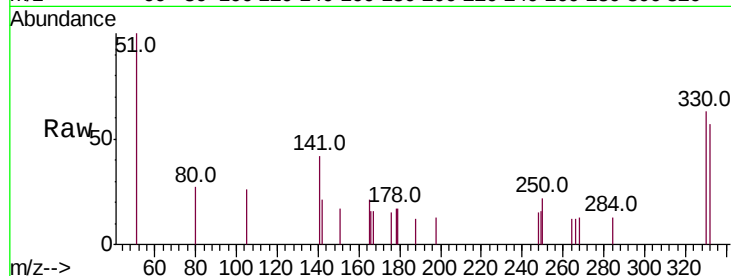




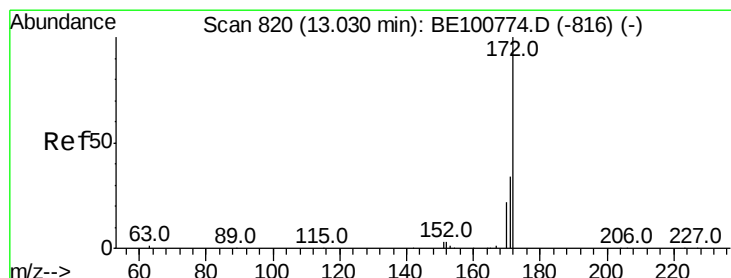
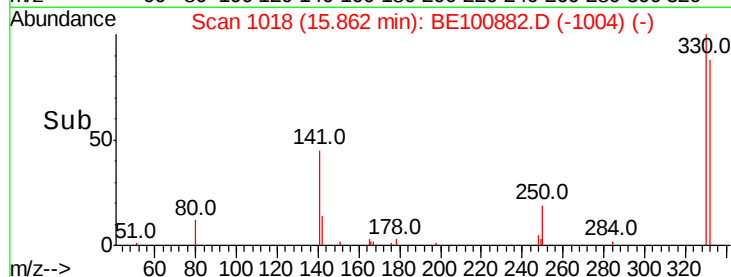
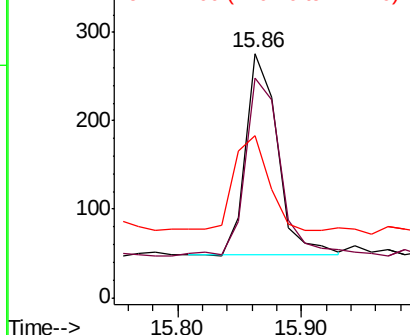
#14  
 2,4,6-Tribromophenol  
 Concen: 0.294 ng  
 RT: 15.86 min Scan# 1018  
 Delta R.T. -0.01 min  
 Lab File: BE100882.D  
 Acq: 13 Dec 2019 12:10

Instrument :  
 BNA\_E  
 ClientSampleId :  
 RE134D3-20191204DL

Tot Ion:330 Resp: 407  
 Ion Ratio Lower Upper  
 330 100  
 332 99.8 74.1 111.1  
 141 52.8 46.7 70.1

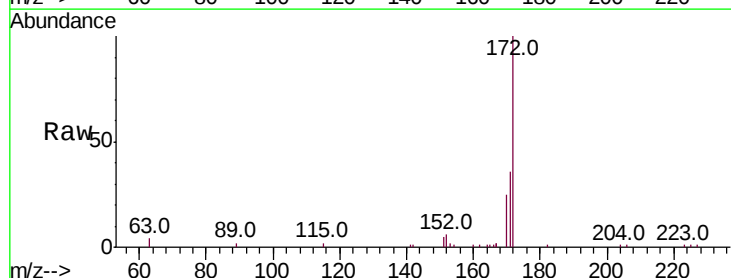


Abundance Ion 330.00 (329.70 to 330.70): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

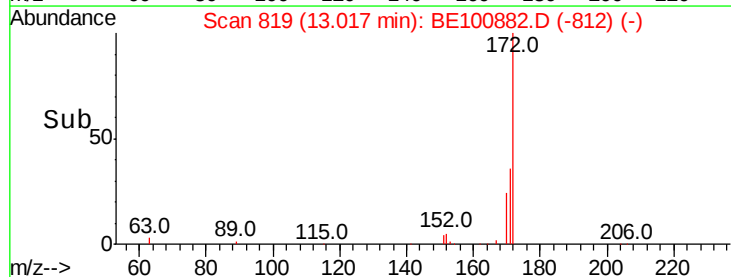
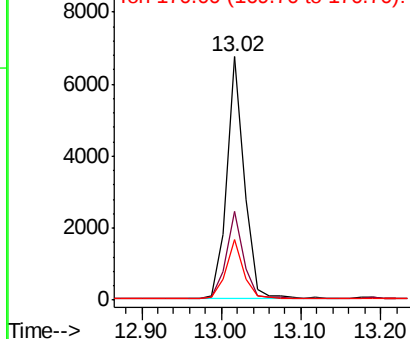


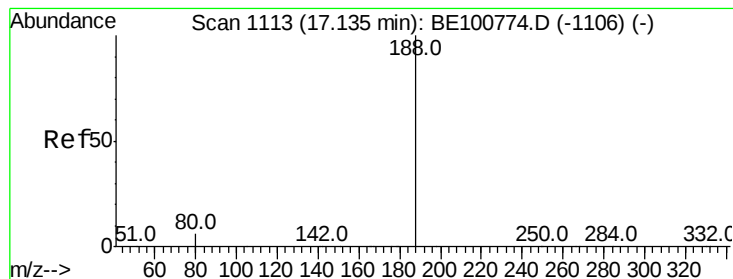
#15  
 2-Fluorobiphenyl  
 Concen: 0.206 ng  
 RT: 13.02 min Scan# 819  
 Delta R.T. 0.00 min  
 Lab File: BE100882.D  
 Acq: 13 Dec 2019 12:10

Tgt Ion:172 Resp: 10138  
 Ion Ratio Lower Upper  
 172 100  
 171 36.3 28.2 42.4  
 170 24.8 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: BE100882.D

Acq: 13 Dec 2019 12:10

Instrument :

BNA\_E

ClientSampleId :

RE134D3-20191204DL

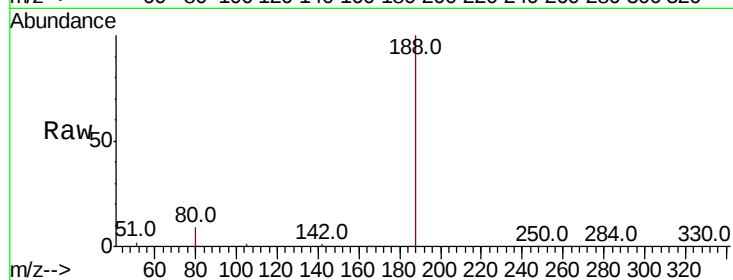
Tot Ion:188 Resp: 30777

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

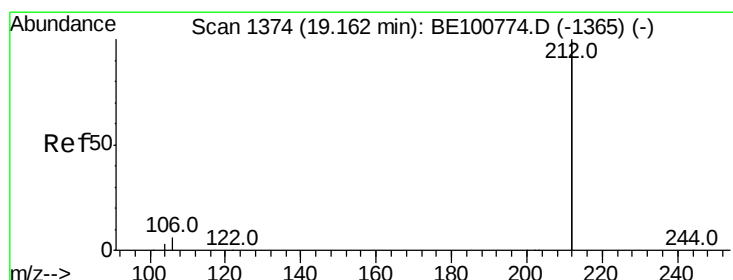
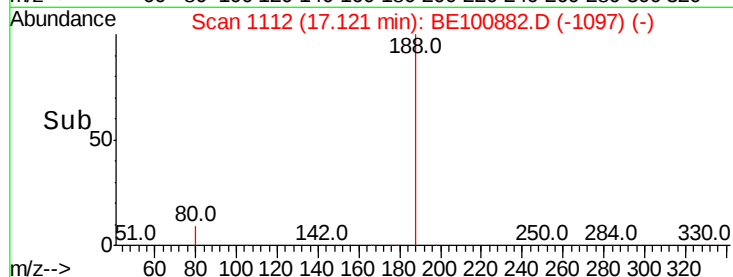
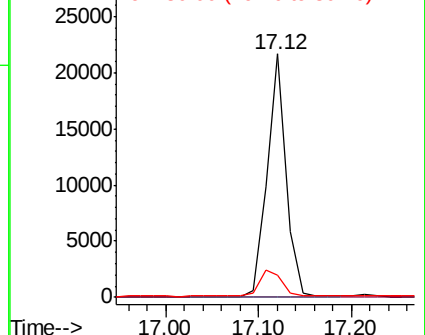
80 9.3 7.9 11.9



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: 0.218 ng

RT: 19.15 min Scan# 1372

Delta R.T. 0.00 min

Lab File: BE100882.D

Acq: 13 Dec 2019 12:10

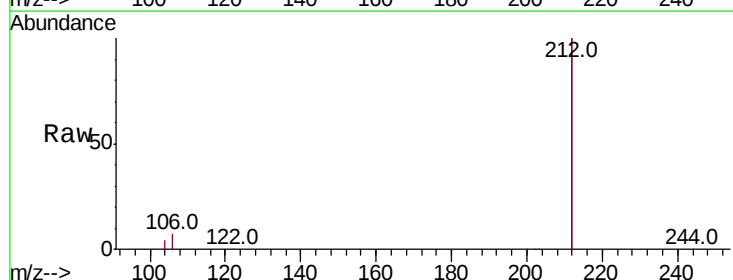
Tgt Ion:212 Resp: 79277

Ion Ratio Lower Upper

212 100

106 3.4 2.6 4.0

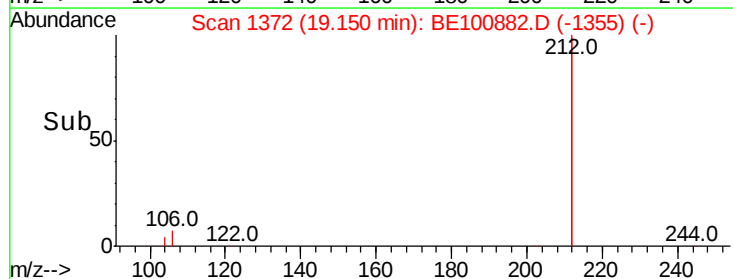
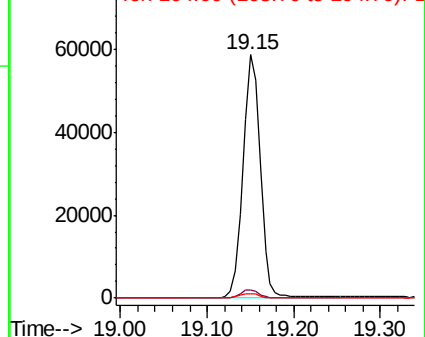
104 2.0 1.4 2.2

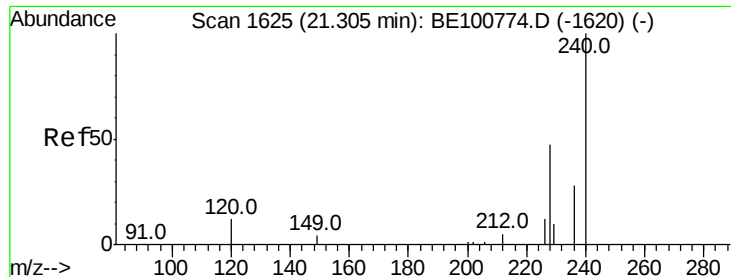


Abundance Ion 212.00 (211.70 to 212.70): E

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: BE100882.D

Acq: 13 Dec 2019 12:10

Instrument :

BNA\_E

ClientSampleId :

RE134D3-20191204DL

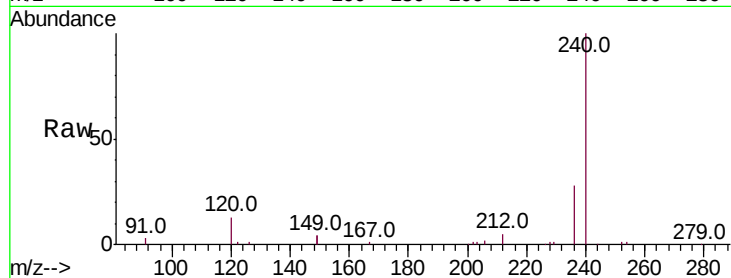
Tot Ion:240 Resp: 28645

Ion Ratio Lower Upper

240 100

120 13.2 4.0 6.0#

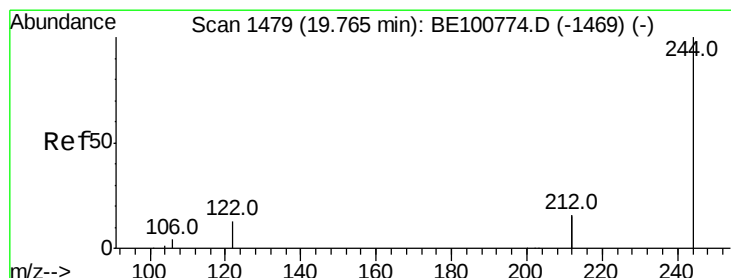
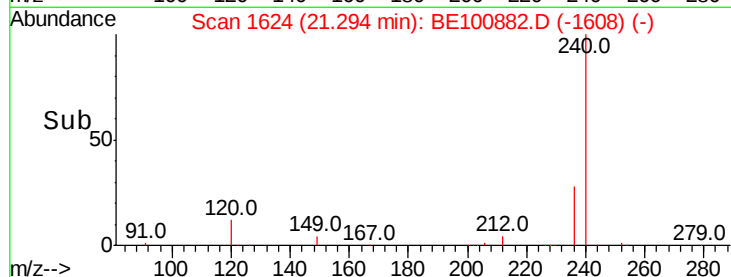
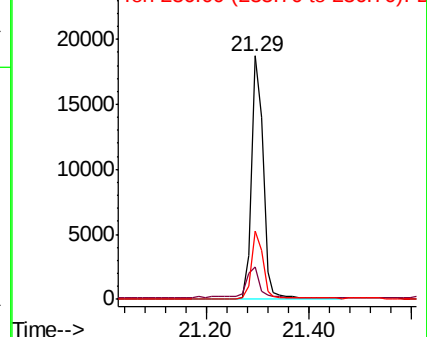
236 28.0 21.6 32.4



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: 0.238 ng

RT: 19.75 min Scan# 1477

Delta R.T. -0.01 min

Lab File: BE100882.D

Acq: 13 Dec 2019 12:10

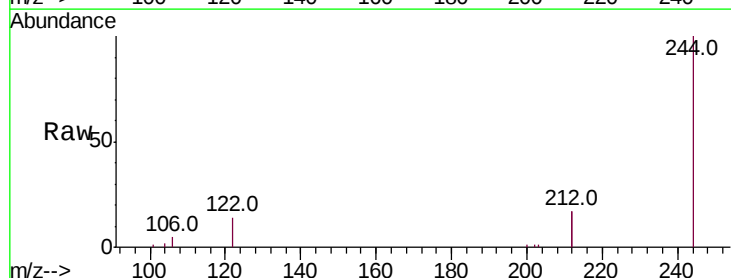
Tgt Ion:244 Resp: 16353

Ion Ratio Lower Upper

244 100

212 33.0 25.2 37.8

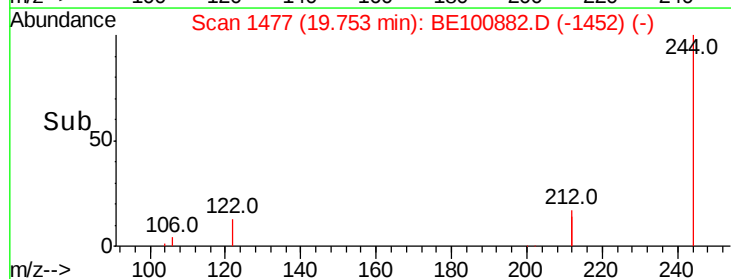
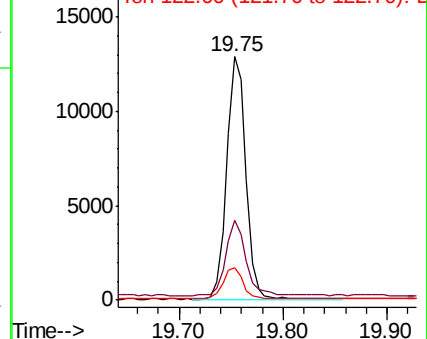
122 13.5 8.9 13.3#

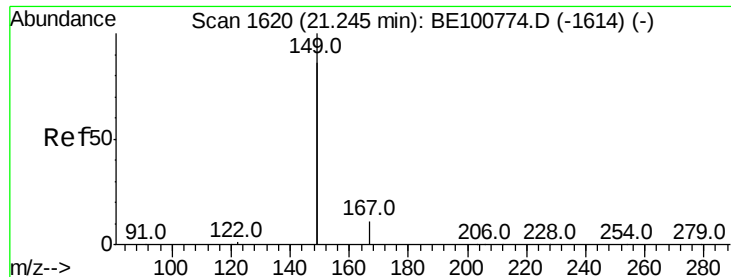


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.029 ng

RT: 21.23 min Scan# 1619

Delta R.T. 0.00 min

Lab File: BE100882.D

Acq: 13 Dec 2019 12:10

Instrument :

BNA\_E

ClientSampleId :

RE134D3-20191204DL

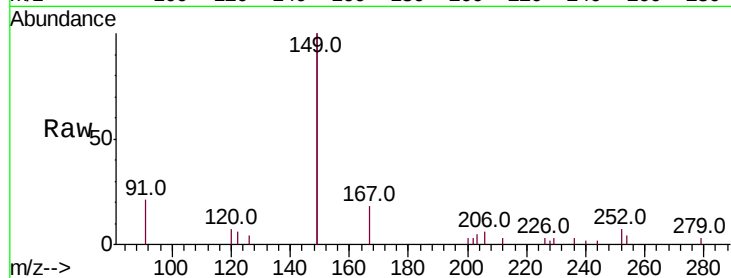
Tot Ion:149 Resp: 5493

Ion Ratio Lower Upper

149 100

167 8.9 5.0 7.4#

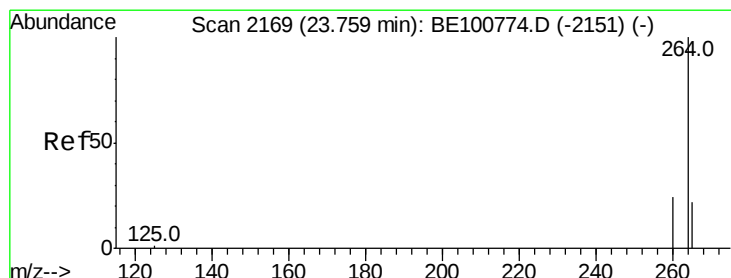
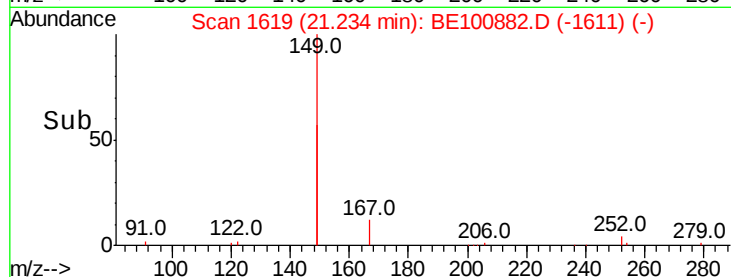
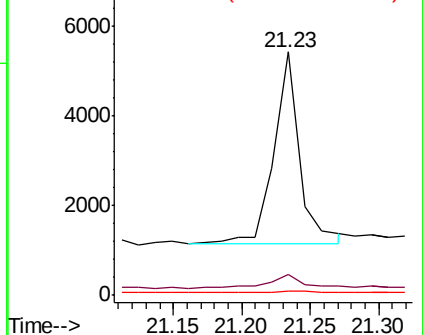
279 0.9 0.6 1.0



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: BE100882.D

Acq: 13 Dec 2019 12:10

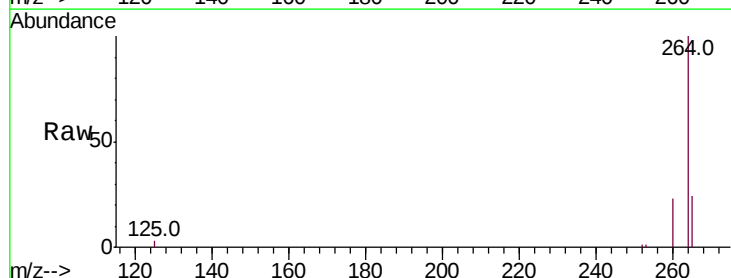
Tgt Ion:264 Resp: 33372

Ion Ratio Lower Upper

264 100

260 23.5 19.4 29.0

265 24.0 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

