

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121319\  
 Data File : BE100887.D  
 Acq On : 13 Dec 2019 15:15  
 Operator : JU  
 Sample : K6185-11DL 2X  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 RE125D1-20191205DL

Quant Time: Dec 13 17:28:56 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

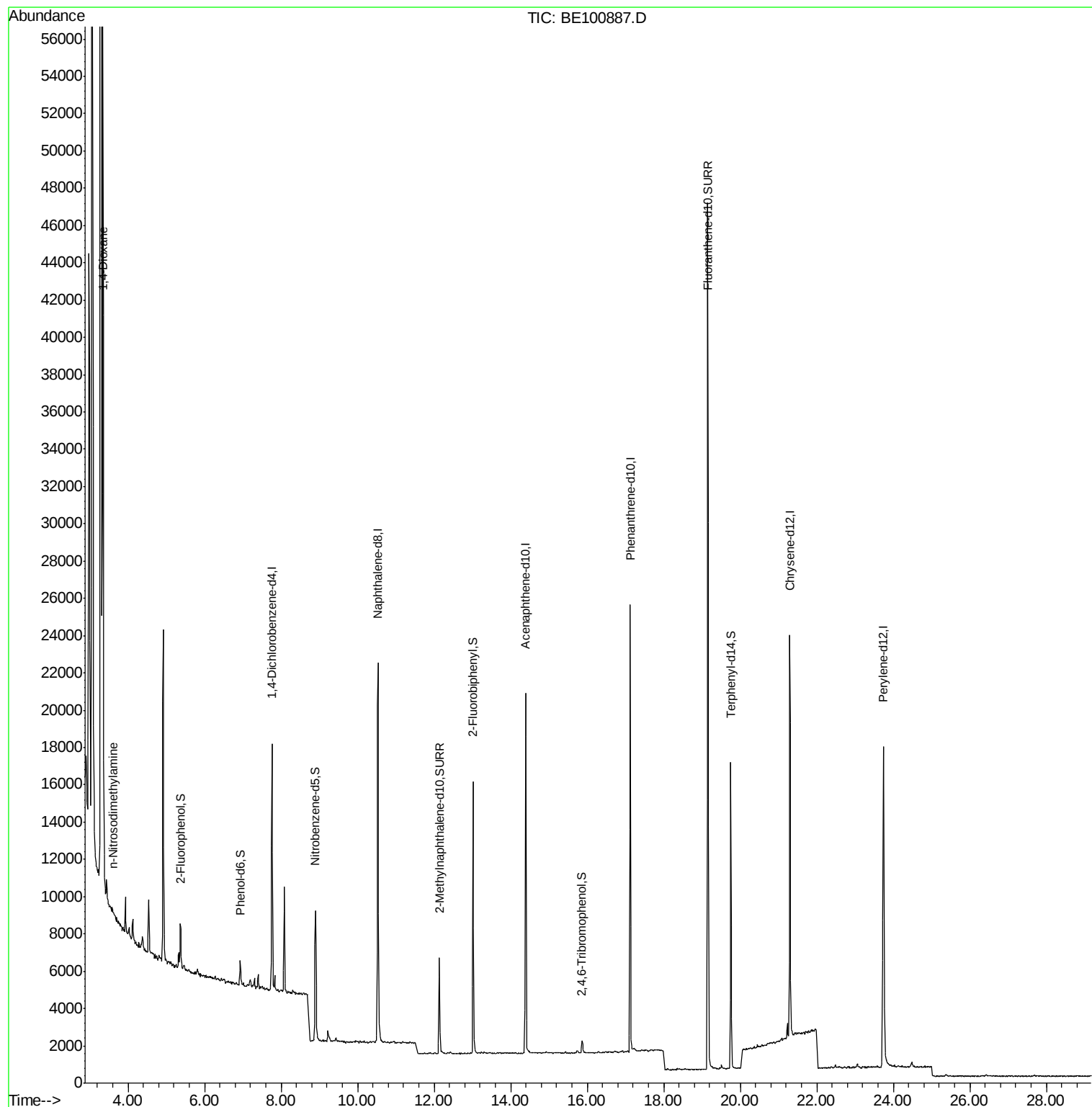
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.76  | 152  | 5766     | 0.40      | ng    | 0.00     |
| 7) Naphthalene-d8              | 10.54 | 136  | 25062    | 0.40      | ng    | 0.00     |
| 13) Acenaphthene-d10           | 14.38 | 164  | 13042    | 0.40      | ng    | 0.00     |
| 19) Phenanthrene-d10           | 17.12 | 188  | 31608    | 0.40      | ng    | 0.00     |
| 27) Chrysene-d12               | 21.29 | 240  | 23562    | 0.40      | ng    | -0.01    |
| 34) Perylene-d12               | 23.74 | 264  | 27174    | 0.40      | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 4) 2-Fluorophenol              | 5.37  | 112  | 1361     | 0.10      | ng    | 0.00     |
| 5) Phenol-d6                   | 6.93  | 99   | 1200     | 0.06      | ng    | 0.00     |
| 8) Nitrobenzene-d5             | 8.90  | 82   | 3122     | 0.26      | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10    | 12.14 | 152  | 7363     | 0.20      | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol       | 15.86 | 330  | 397      | 0.27      | ng    | -0.01    |
| 15) 2-Fluorobiphenyl           | 13.02 | 172  | 12949    | 0.25      | ng    | 0.00     |
| 25) Fluoranthene-d10           | 19.15 | 212  | 64898    | 0.17      | ng    | 0.00     |
| 29) Terphenyl-d14              | 19.75 | 244  | 13530    | 0.24      | ng    | 0.00     |
| Target Compounds               |       |      |          |           |       |          |
| 2) 1,4-Dioxane                 | 3.34  | 88   | 35581    | 3.385     | ng    | # 88     |
| 3) n-Nitrosodimethylamine      | 3.60  | 42   | 238      | 0.028     | ng    | # 1      |
| 32) Bis(2-ethylhexyl)phthalate | 21.23 | 149  | 1179     | Below Cal |       | # 92     |

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

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Misc :  
ALS Vial : 11 Sample Multiplier: 1

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BNA\_E  
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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



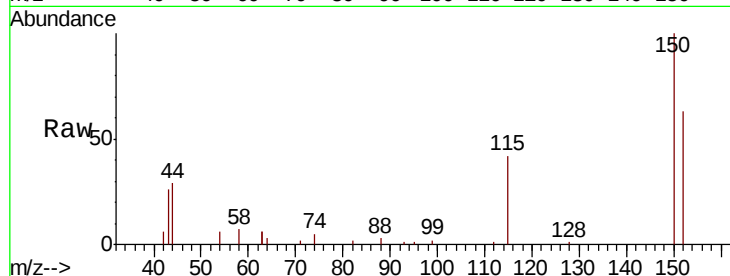


#1

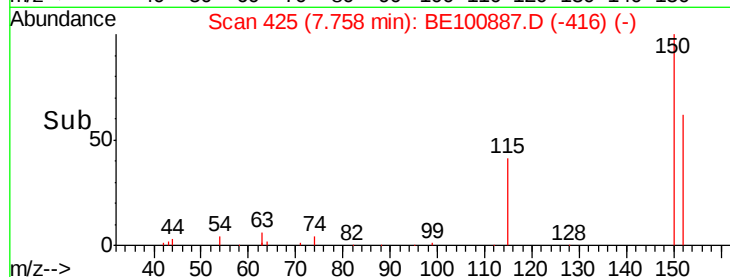
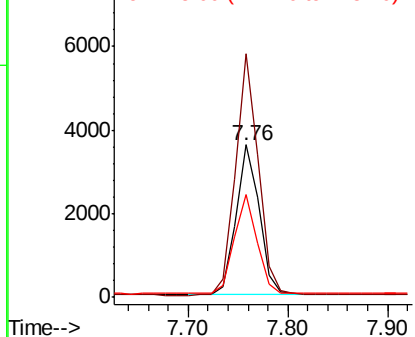
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.76 min Scan# 425  
Delta R.T. 0.00 min  
Lab File: BE100887.D  
Acq: 13 Dec 2019 15:15

Instrument :  
BNA\_E  
ClientSampleId :  
RE125D1-20191205DL

Tot Ion:152 Resp: 5766  
Ion Ratio Lower Upper  
152 100  
150 160.0 125.5 188.3  
115 67.9 55.7 83.5



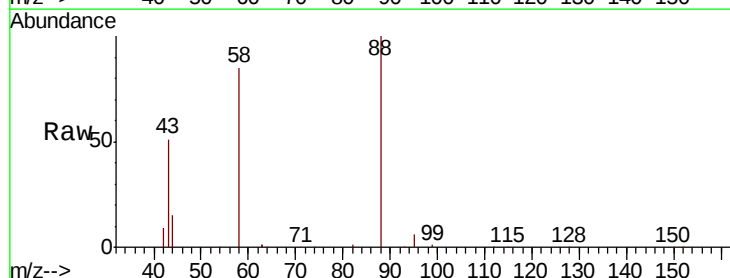
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



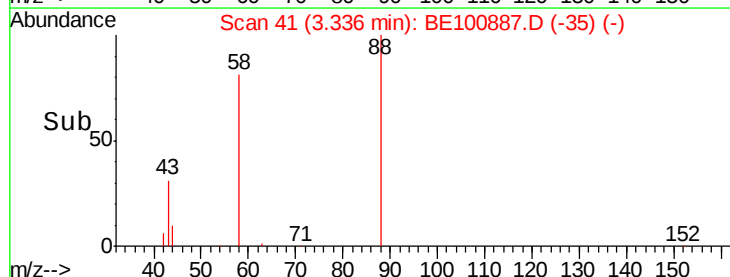
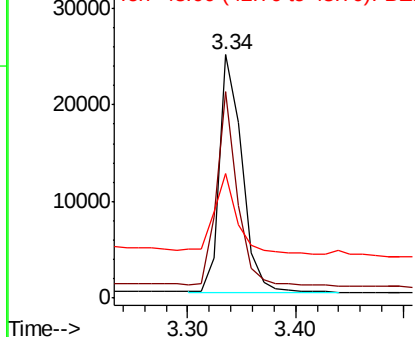
#2

1,4-Dioxane  
Concen: 3.385 ng  
RT: 3.34 min Scan# 41  
Delta R.T. 0.00 min  
Lab File: BE100887.D  
Acq: 13 Dec 2019 15:15

Tgt Ion: 88 Resp: 35581  
Ion Ratio Lower Upper  
88 100  
58 75.4 52.3 78.5  
43 35.5 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





#3

n-Nitrosodimethylamine

Concen: 0.028 ng

RT: 3.60 min Scan# 64

Delta R.T. -0.05 min

Lab File: BE100887.D

Acq: 13 Dec 2019 15:15

Instrument :

BNA\_E

ClientSampleId :

RE125D1-20191205DL

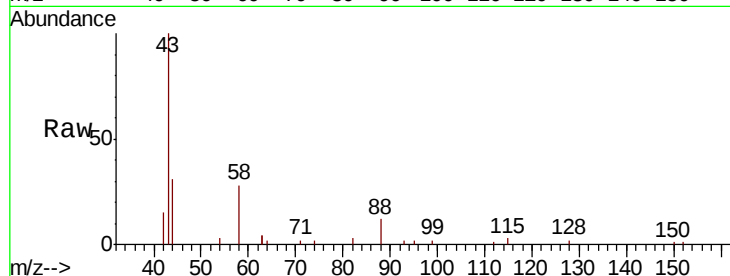
Tot Ion: 42 Resp: 238

Ion Ratio Lower Upper

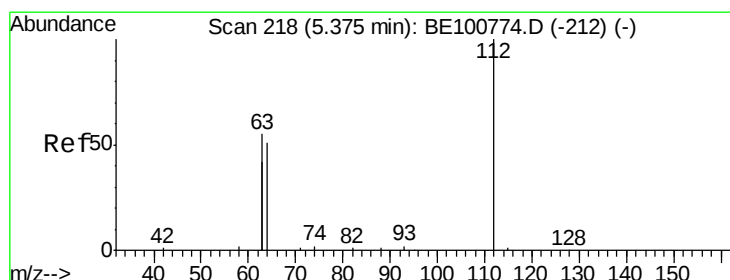
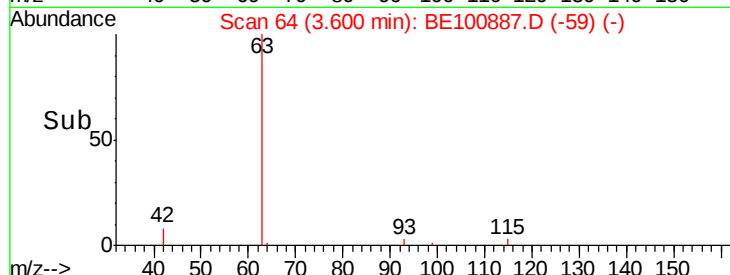
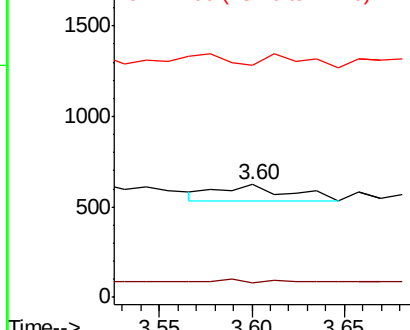
42 100

74 0.0 90.3 135.5#

44 45.0 9.0 13.4#



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: 0.099 ng

RT: 5.37 min Scan# 218

Delta R.T. 0.00 min

Lab File: BE100887.D

Acq: 13 Dec 2019 15:15

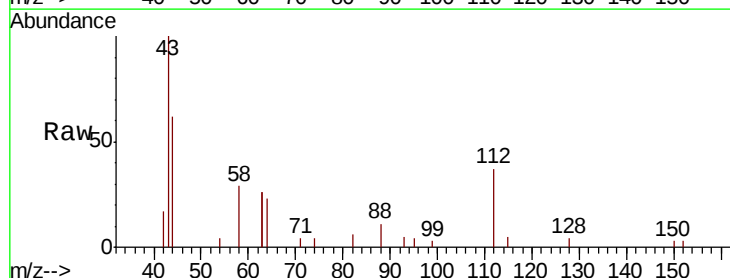
Tgt Ion: 112 Resp: 1361

Ion Ratio Lower Upper

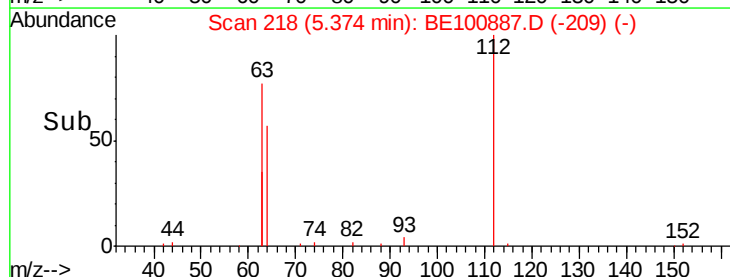
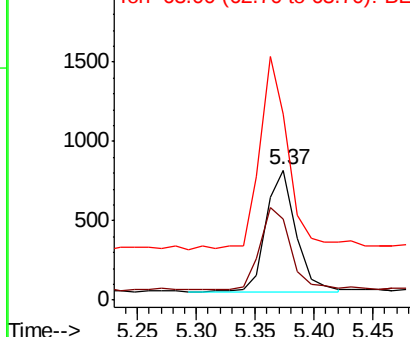
112 100

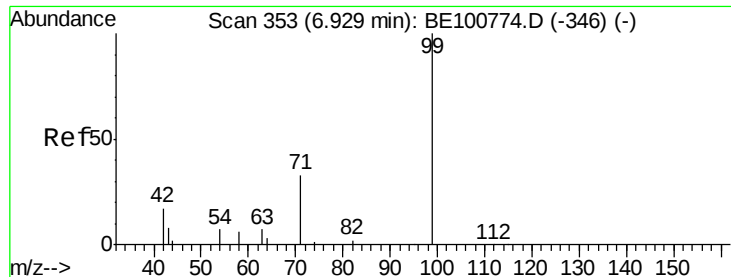
64 68.0 54.5 81.7

63 150.7 116.1 174.1



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: 0.058 ng

RT: 6.93 min Scan# 353

Delta R.T. 0.00 min

Lab File: BE100887.D

Acq: 13 Dec 2019 15:15

Instrument :

BNA\_E

ClientSampleId :

RE125D1-20191205DL

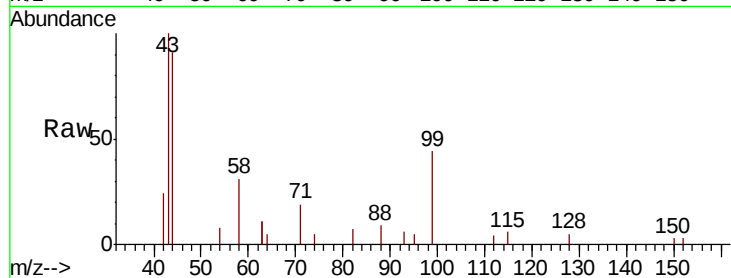
Tot Ion: 99 Resp: 1200

Ion Ratio Lower Upper

99 100

42 28.2 18.2 27.2#

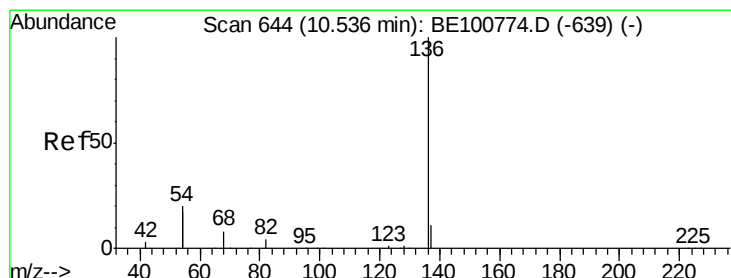
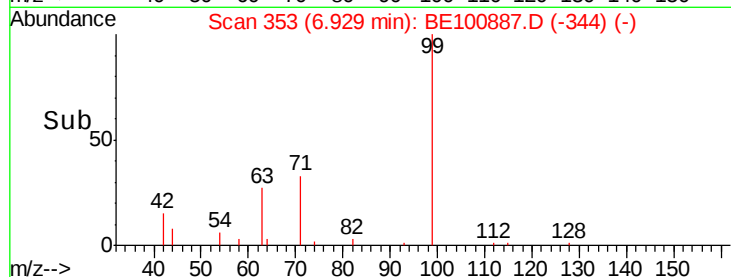
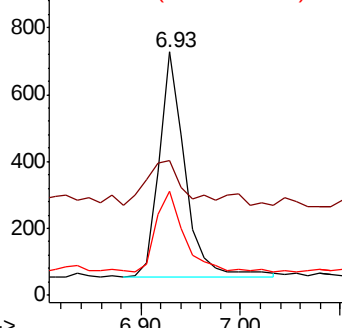
71 39.3 29.1 43.7



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: BE100887.D

Acq: 13 Dec 2019 15:15

Tgt Ion: 136 Resp: 25062

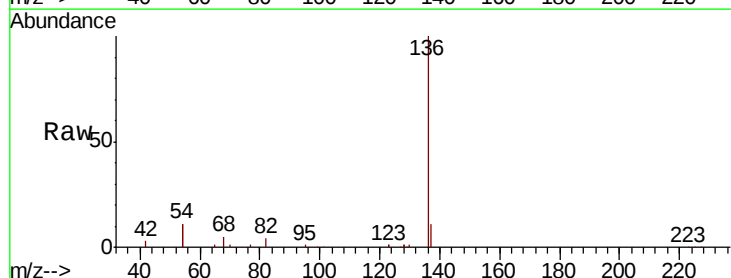
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 22.8 18.9 28.3

68 5.4 4.6 6.8

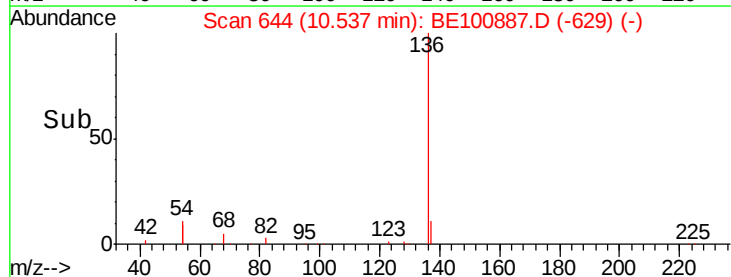
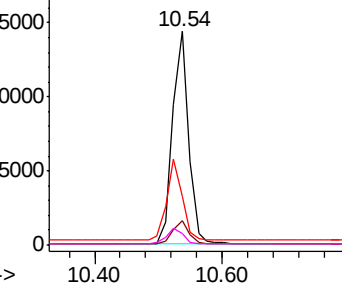


Abundance Ion 136.00 (135.70 to 136.70): BE1

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: 0.262 ng

RT: 8.90 min Scan# 518

Delta R.T. -0.00 min

Lab File: BE100887.D

Acq: 13 Dec 2019 15:15

Instrument :

BNA\_E

ClientSampleId :

RE125D1-20191205DL

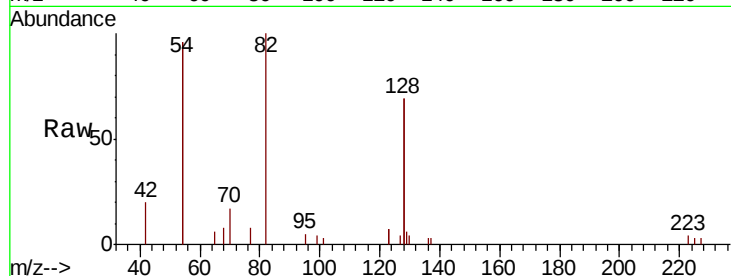
Tot Ion: 82 Resp: 3122

Ion Ratio Lower Upper

82 100

128 137.4 113.5 170.3

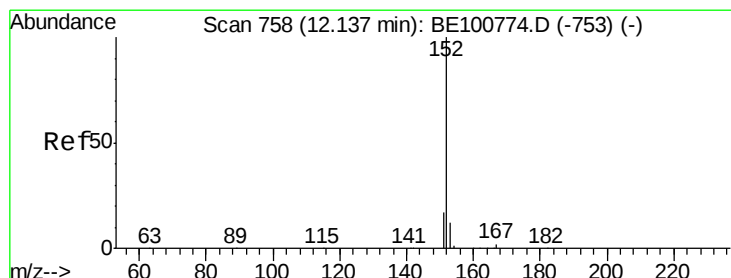
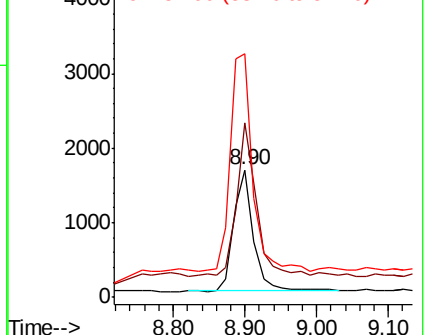
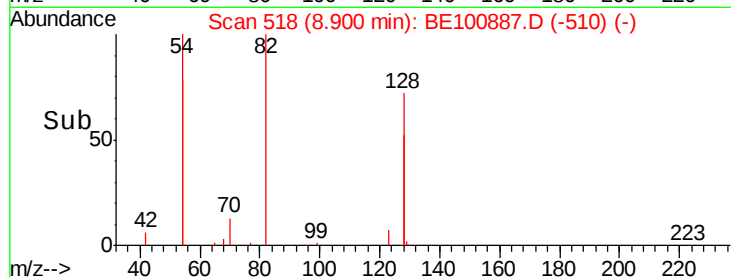
54 191.5 138.9 208.3



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: 0.203 ng

RT: 12.14 min Scan# 758

Delta R.T. -0.00 min

Lab File: BE100887.D

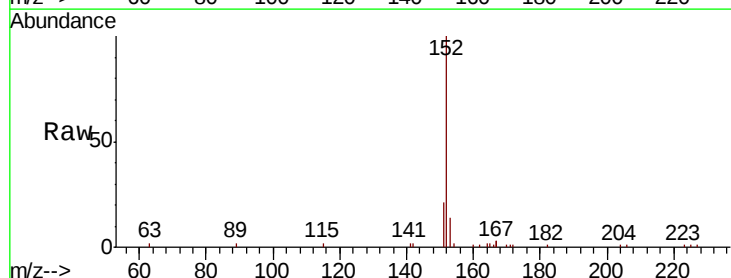
Acq: 13 Dec 2019 15:15

Tgt Ion: 152 Resp: 7363

Ion Ratio Lower Upper

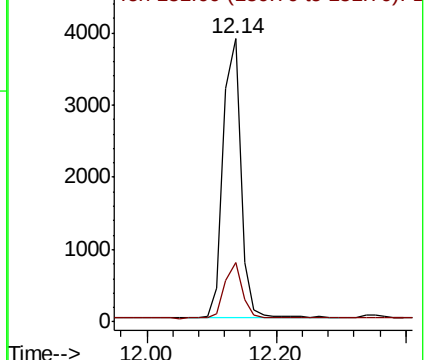
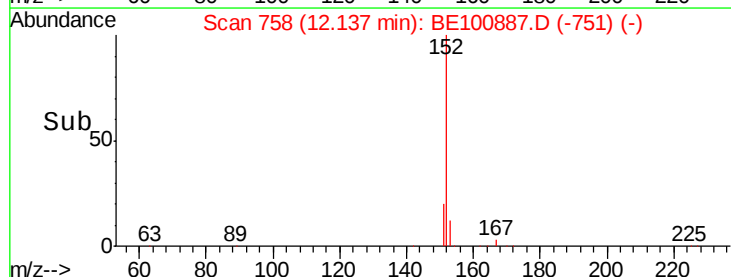
152 100

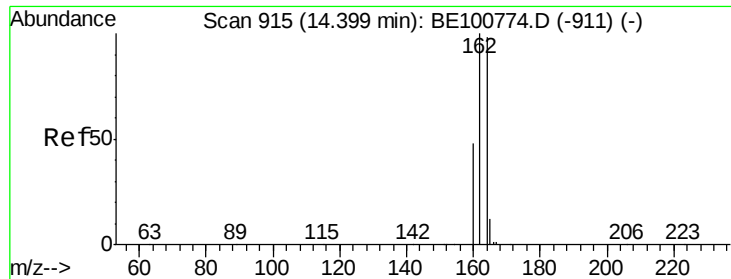
151 19.6 15.1 22.7



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: BE100887.D

Acq: 13 Dec 2019 15:15

Instrument :

BNA\_E

ClientSampleId :

RE125D1-20191205DL

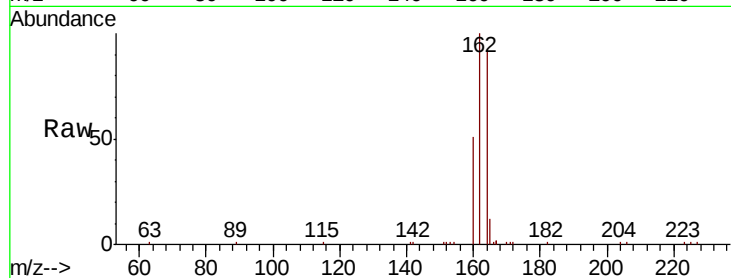
Tot Ion:164 Resp: 13042

Ion Ratio Lower Upper

164 100

162 108.4 86.0 129.0

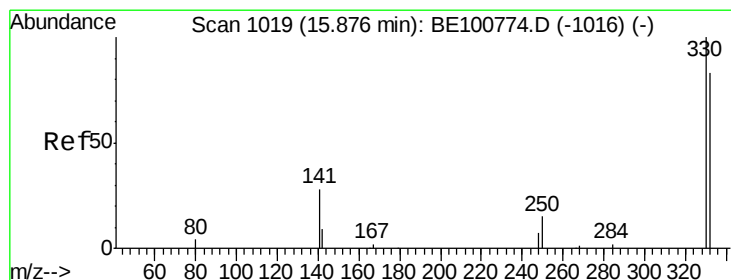
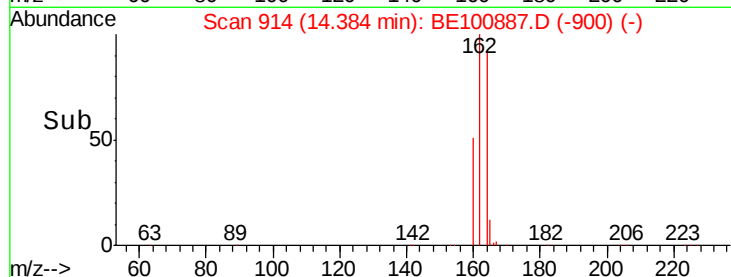
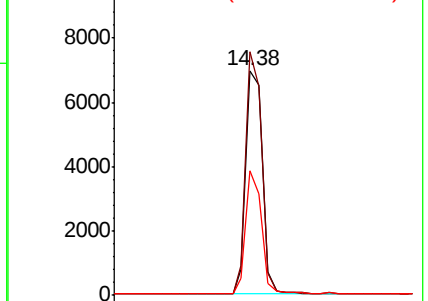
160 55.7 42.3 63.5



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: 0.274 ng

RT: 15.86 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BE100887.D

Acq: 13 Dec 2019 15:15

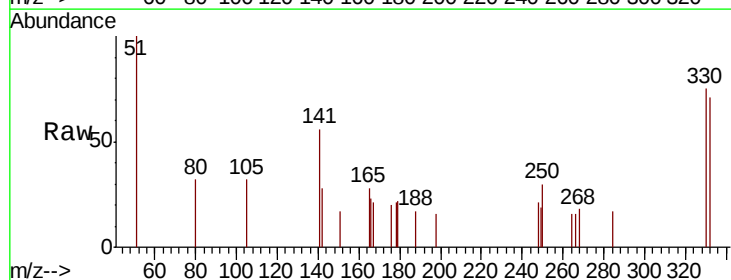
Tgt Ion:330 Resp: 397

Ion Ratio Lower Upper

330 100

332 97.7 74.1 111.1

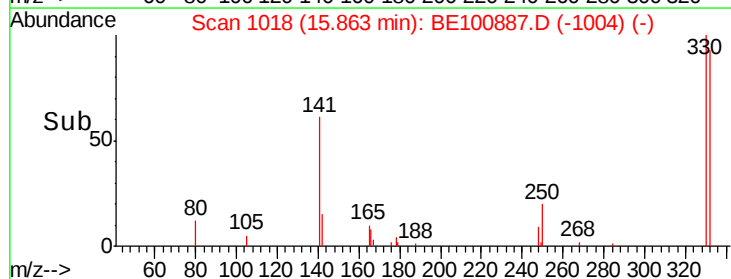
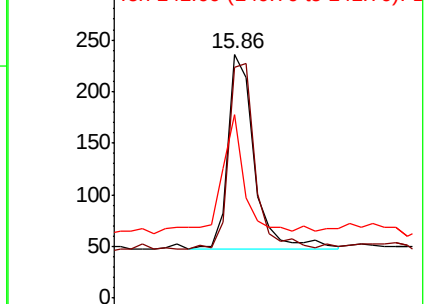
141 53.1 46.7 70.1

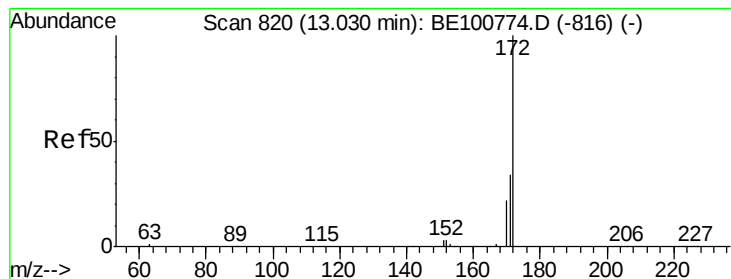


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

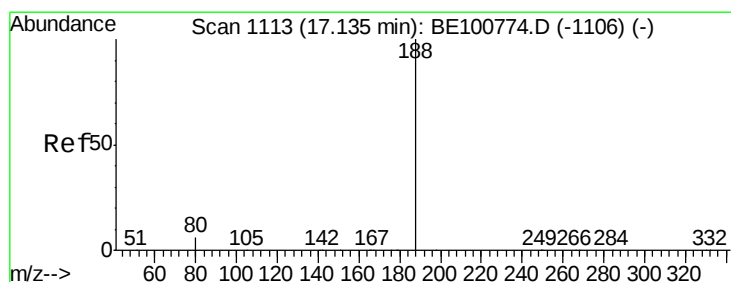
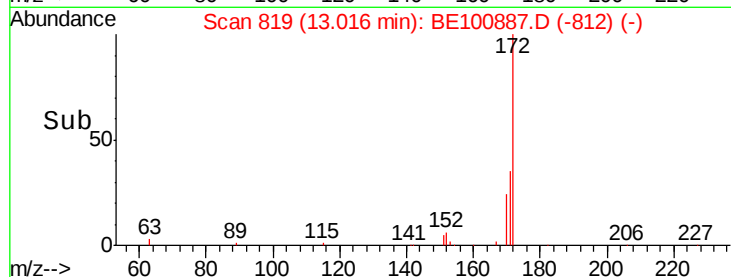
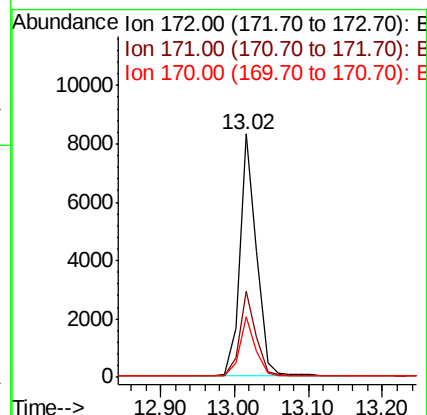
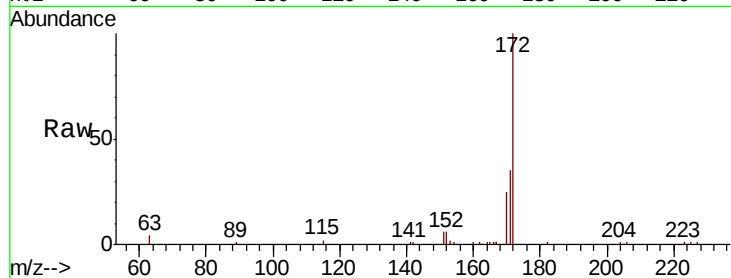




#15  
 2-Fluorobiphenyl  
 Concen: 0.250 ng  
 RT: 13.02 min Scan# 819  
 Delta R.T. -0.00 min  
 Lab File: BE100887.D  
 Acq: 13 Dec 2019 15:15

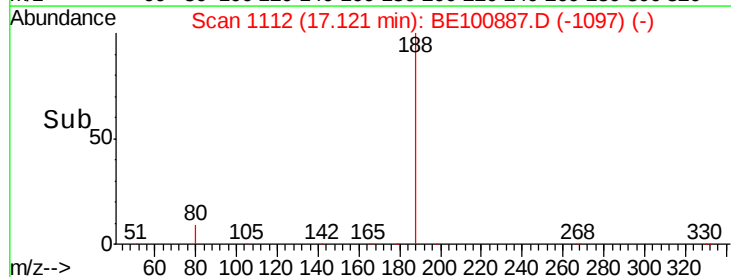
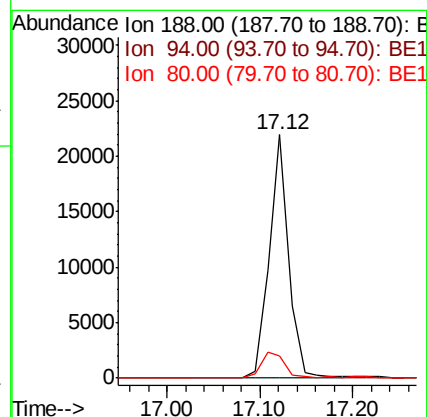
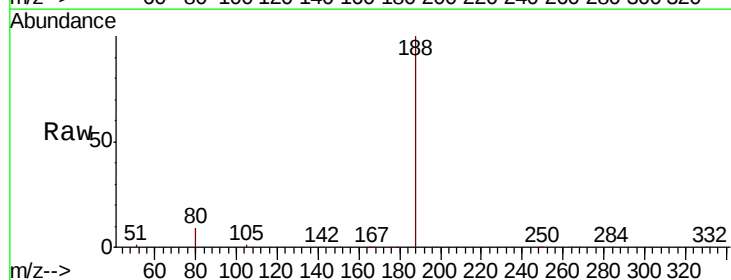
Instrument :  
 BNA\_E  
 ClientSampleId :  
 RE125D1-20191205DL

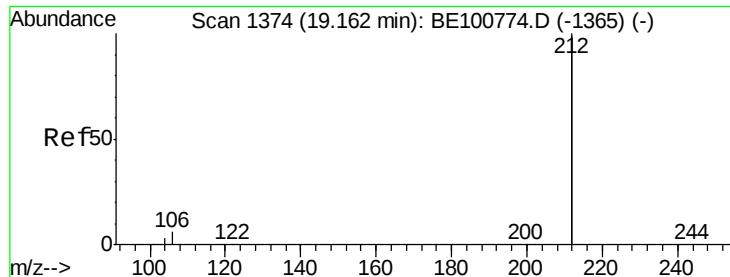
Tot Ion:172 Resp: 12949  
 Ion Ratio Lower Upper  
 172 100  
 171 35.3 28.2 42.4  
 170 24.7 19.4 29.0



#19  
 Phenanthrene-d10  
 Concen: 0.400 ng  
 RT: 17.12 min Scan# 1112  
 Delta R.T. 0.00 min  
 Lab File: BE100887.D  
 Acq: 13 Dec 2019 15:15

Tgt Ion:188 Resp: 31608  
 Ion Ratio Lower Upper  
 188 100  
 94 0.0 0.0 0.0  
 80 9.3 7.9 11.9





#25

Fluoranthene-d10

Concen: 0.174 ng

RT: 19.15 min Scan# 1373

Delta R.T. 0.01 min

Lab File: BE100887.D

Acq: 13 Dec 2019 15:15

Instrument :

BNA\_E

ClientSampleId :

RE125D1-20191205DL

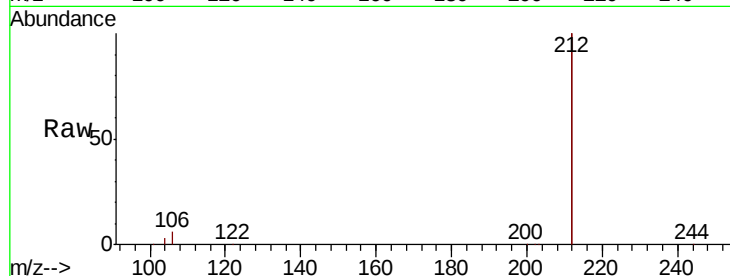
Tot Ion:212 Resp: 64898

Ion Ratio Lower Upper

212 100

106 3.3 2.6 4.0

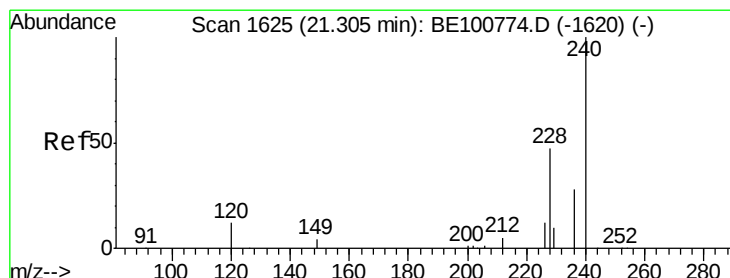
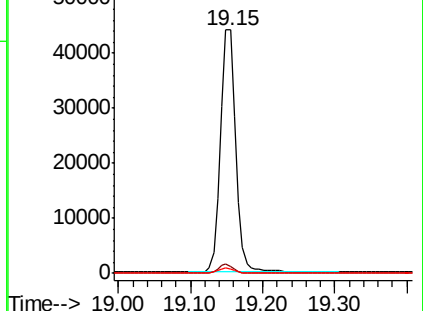
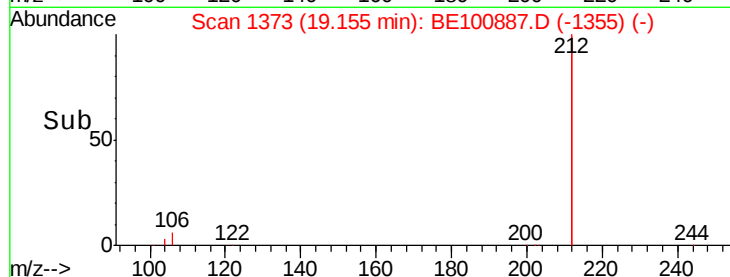
104 1.9 1.4 2.2



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: BE100887.D

Acq: 13 Dec 2019 15:15

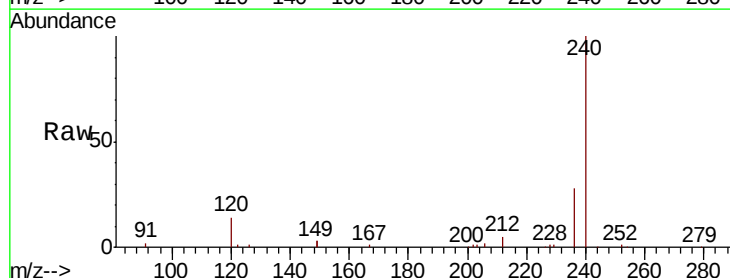
Tgt Ion:240 Resp: 23562

Ion Ratio Lower Upper

240 100

120 14.4 4.0 6.0#

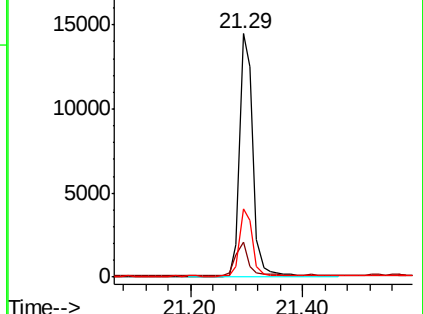
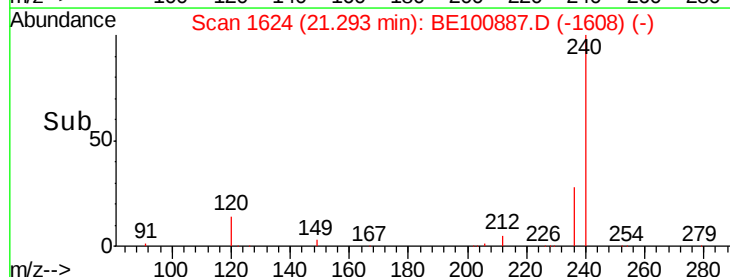
236 28.1 21.6 32.4

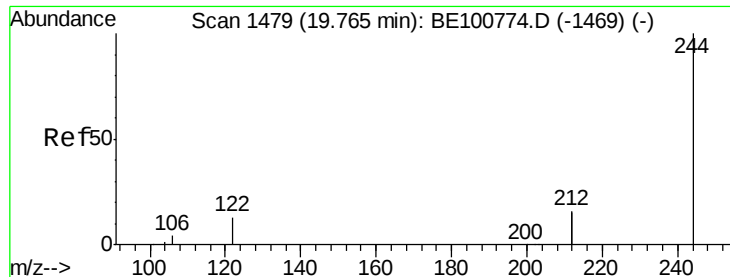


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.240 ng

RT: 19.75 min Scan# 1477

Delta R.T. -0.01 min

Lab File: BE100887.D

Acq: 13 Dec 2019 15:15

Instrument :

BNA\_E

ClientSampleId :

RE125D1-20191205DL

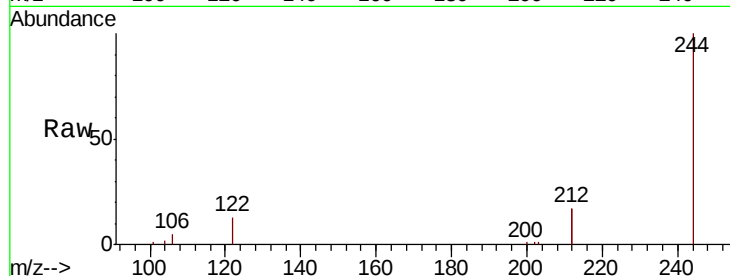
Tot Ion:244 Resp: 13530

Ion Ratio Lower Upper

244 100

212 34.1 25.2 37.8

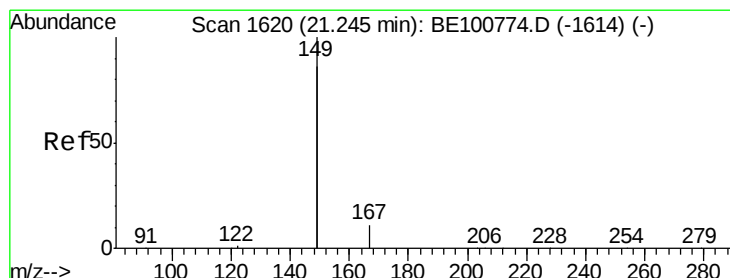
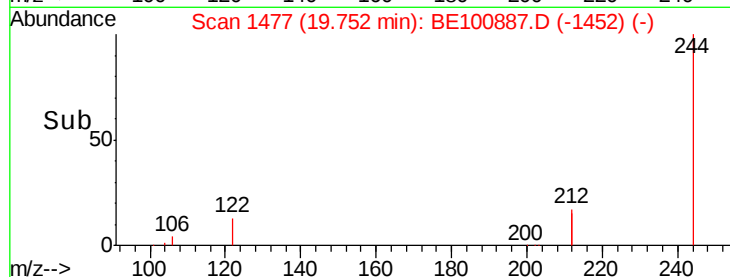
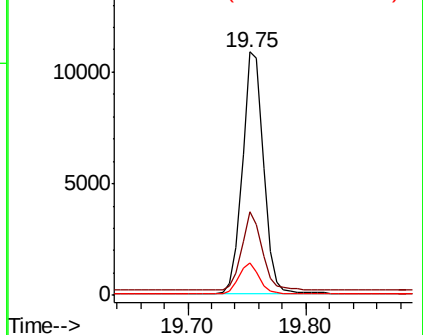
122 13.4 8.9 13.3#



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: Below Cal

RT: 21.23 min Scan# 1619

Delta R.T. -0.00 min

Lab File: BE100887.D

Acq: 13 Dec 2019 15:15

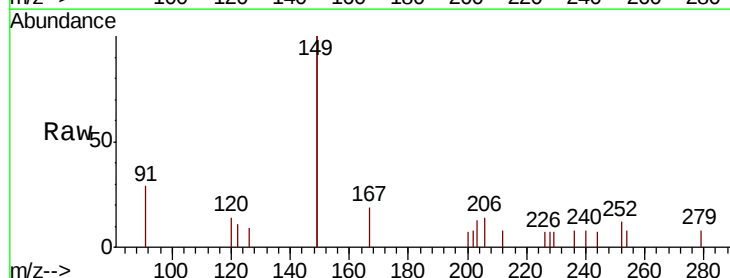
Tgt Ion:149 Resp: 1179

Ion Ratio Lower Upper

149 100

167 9.0 5.0 7.4#

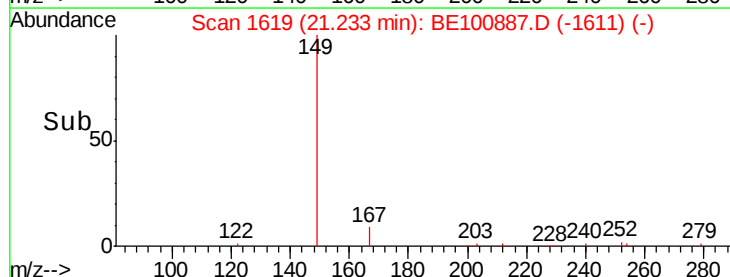
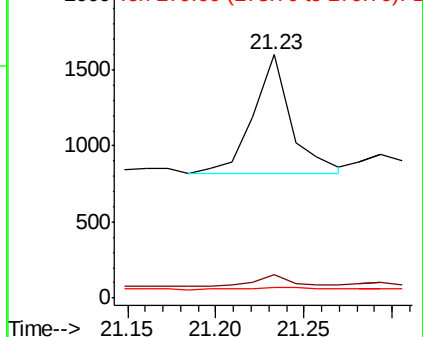
279 2.8 0.6 1.0#

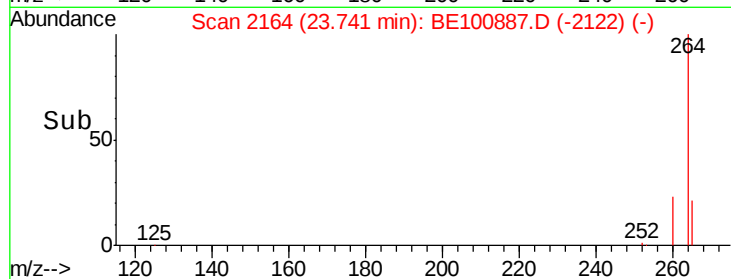
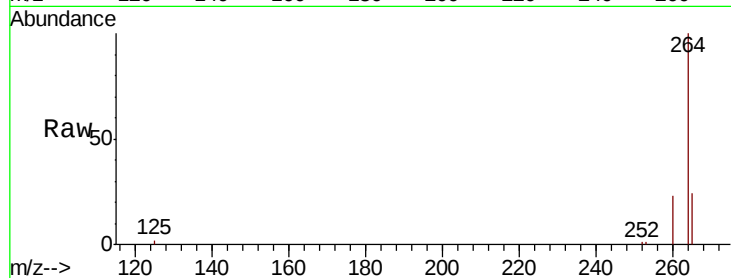


Abundance Ion 149.00 (148.70 to 149.70): E

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# 2164

Delta R.T. -0.00 min

Lab File: BE100887.D

Acq: 13 Dec 2019 15:15

Instrument :

BNA\_E

ClientSampleId :

RE125D1-20191205DL

Tot Ion: 264 Resp: 27174

Ion Ratio Lower Upper

264 100

260 23.2 19.4 29.0

265 24.3 20.1 30.1

