

Data File : BE100998.D  
Acq On : 27 Dec 2019 18:05  
Operator : JU  
Sample : K6392-05DL 500X  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
DUP-1DL

Quant Time: Dec 31 06:57:23 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE122419.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Dec 27 17:39:05 2019  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.76  | 152  | 1853     | 0.40 | ng    | 0.01     |
| 7) Naphthalene-d8         | 10.54 | 136  | 10524    | 0.40 | ng    | 0.01     |
| 13) Acenaphthene-d10      | 14.38 | 164  | 7534     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.12 | 188  | 15937    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.29 | 240  | 13101    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.72 | 264  | 14791    | 0.40 | ng    | 0.00     |

| System Monitoring Compounds | R.T. | QIon | Response | Conc | Units |
|-----------------------------|------|------|----------|------|-------|
| 4) 2-Fluorophenol           | 0.00 | 112  | 0d       | 0.00 | ng    |
| 5) Phenol-d6                | 0.00 | 99   | 0d       | 0.00 | ng    |
| 8) Nitrobenzene-d5          | 0.00 | 82   | 0d       | 0.00 | ng    |
| 11) 2-Methylnaphthalene-d10 | 0.00 | 152  | 0d       | 0.00 | ng    |
| 14) 2,4,6-Tribromophenol    | 0.00 | 330  | 0d       | 0.00 | ng    |
| 15) 2-Fluorobiphenyl        | 0.00 | 172  | 0d       | 0.00 | ng    |
| 25) Fluoranthene-d10        | 0.00 | 212  | 0d       | 0.00 | ng    |
| 29) Terphenyl-d14           | 0.00 | 244  | 0d       | 0.00 | ng    |

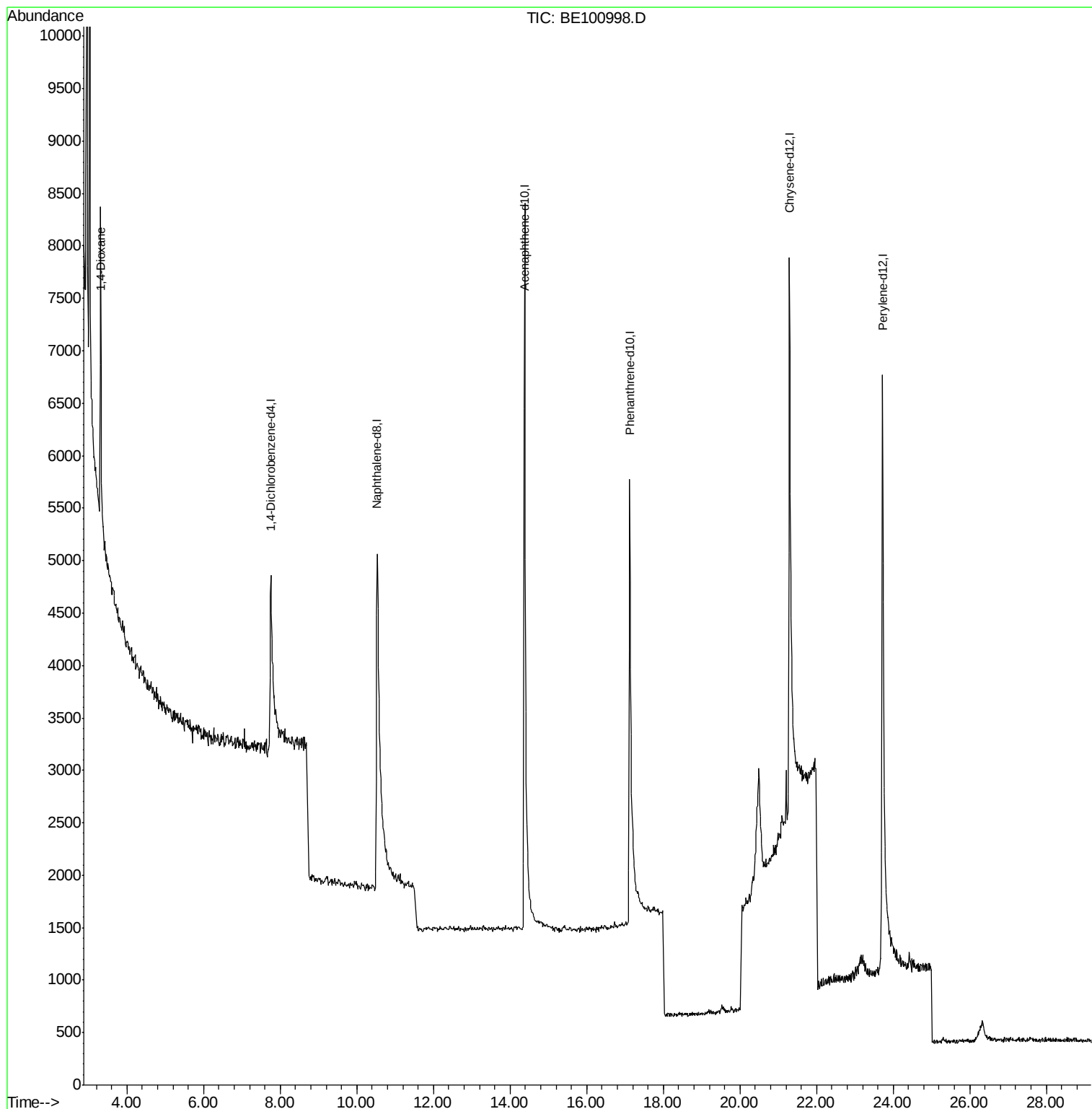
| Target Compounds | R.T. | QIon | Response | Conc  | Units | Qvalue |
|------------------|------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane   | 3.31 | 88   | 2080     | 0.310 | ng    | # 73   |

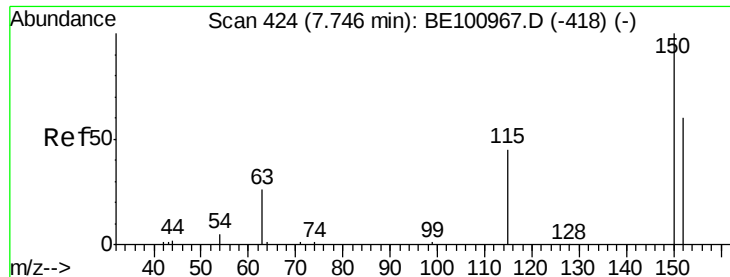
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.76 min Scan# 425

Delta R.T. 0.01 min

Lab File: BE100998.D

Acq: 27 Dec 2019 18:05

Instrument :

BNA\_E

ClientSampleId :

DUP-1DL

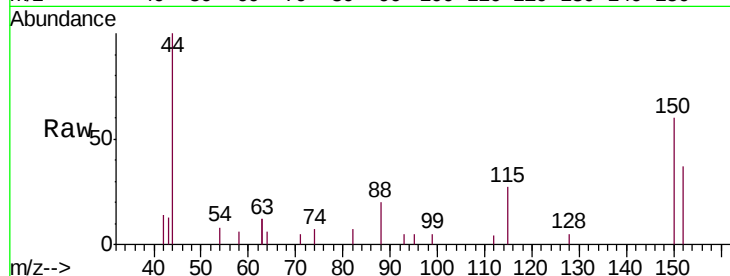
Tgt Ion:152 Resp: 1853

Ion Ratio Lower Upper

152 100

150 163.5 132.6 199.0

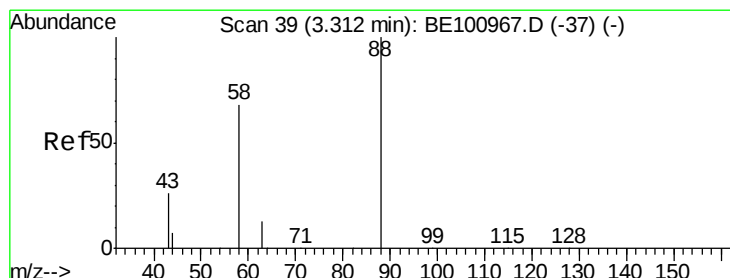
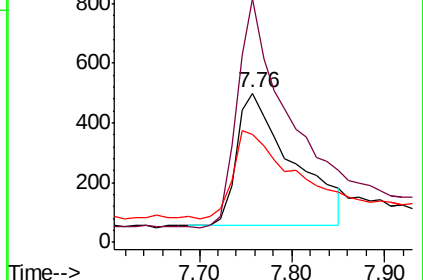
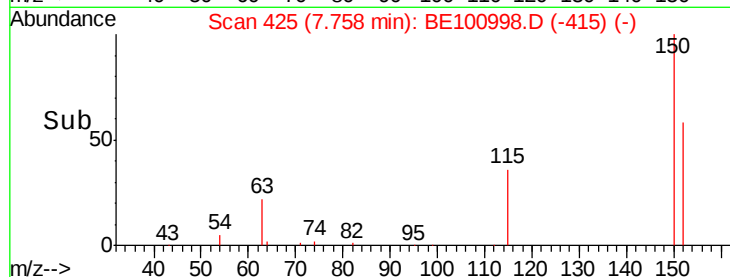
115 72.3 64.1 96.1



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: 0.310 ng

RT: 3.31 min Scan# 39

Delta R.T. 0.00 min

Lab File: BE100998.D

Acq: 27 Dec 2019 18:05

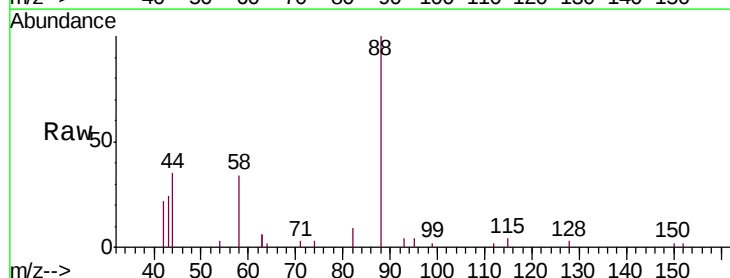
Tgt Ion: 88 Resp: 2080

Ion Ratio Lower Upper

88 100

58 77.0 44.2 66.4#

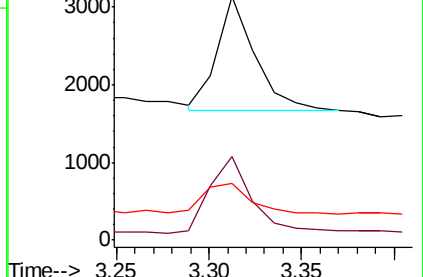
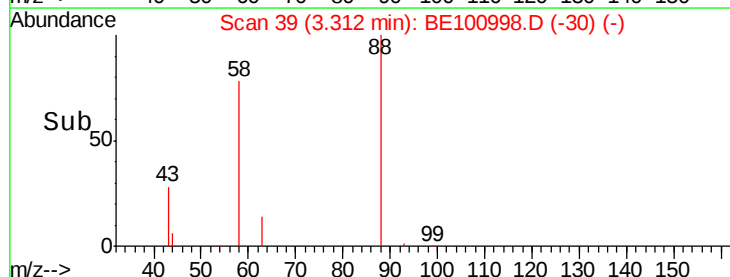
43 37.1 21.0 31.6#

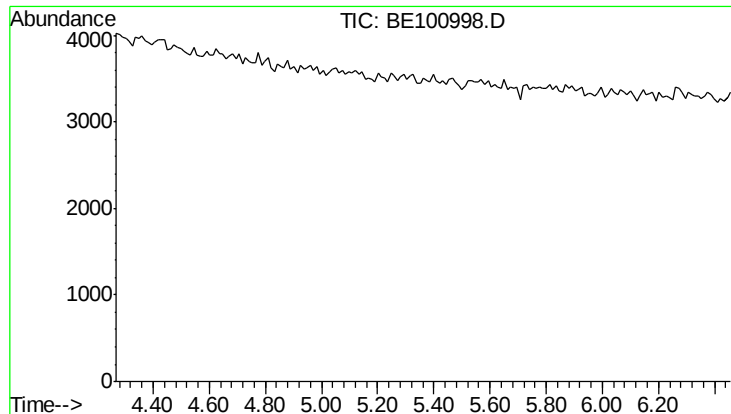


Abundance Ion 88.00 (87.70 to 88.70): BE1

Ion 58.00 (57.70 to 58.70): BE1

Ion 43.00 (42.70 to 43.70): BE1





#4

2-Fluorophenol

Concen: 0.000 ng

Expected RT: 5.36 min

Lab File: BE100998.D

Acq: 27 Dec 2019 18:05

Instrument :

BNA\_E

ClientSampleId :

DUP-1DL

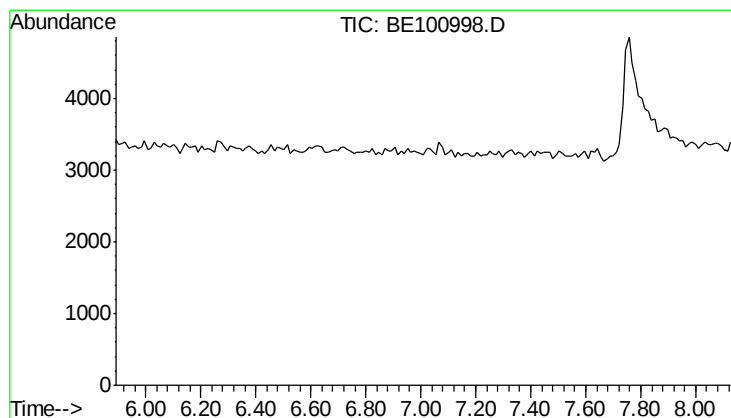
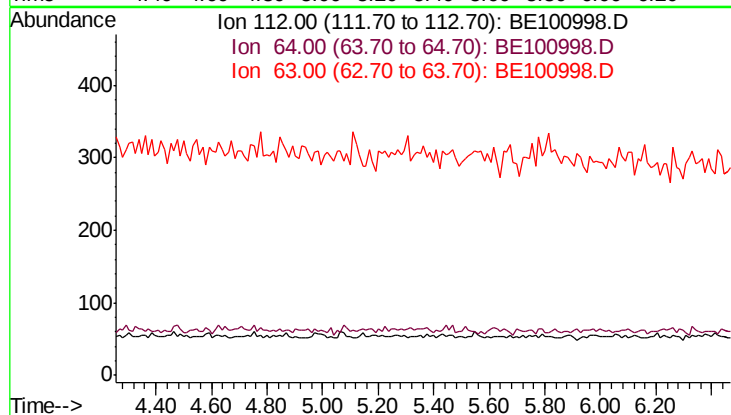
Tgt Ion: 112

Sig Exp Ratio

112 100

64 73.8

63 151.7



#5

Phenol-d6

Concen: 0.000 ng

Expected RT: 6.99 min

Lab File: BE100998.D

Acq: 27 Dec 2019 18:05

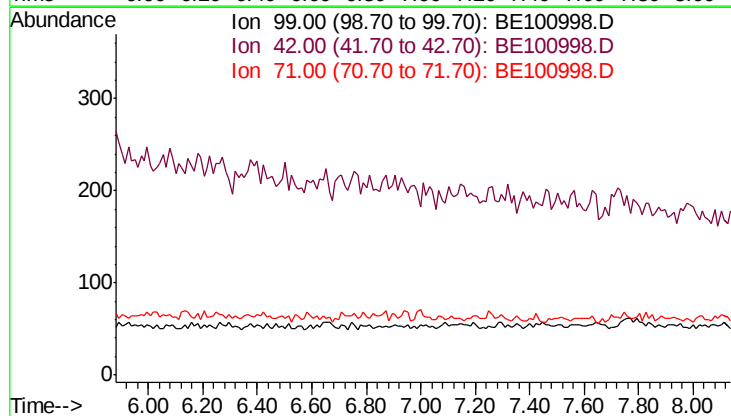
Tgt Ion: 99

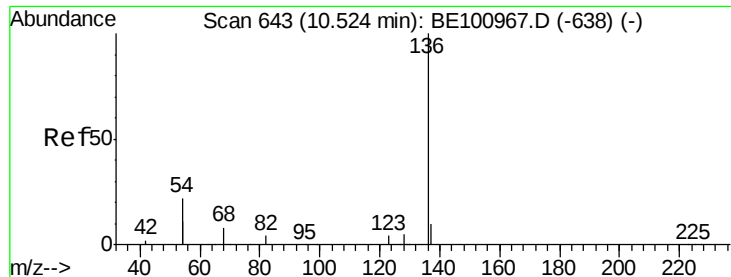
Sig Exp Ratio

99 100

42 0.0

71 0.0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.54 min Scan# 644

Delta R.T. 0.01 min

Lab File: BE100998.D

Acq: 27 Dec 2019 18:05

Instrument :

BNA\_E

ClientSampleId :

DUP-1DL

Tgt Ion:136 Resp: 10524

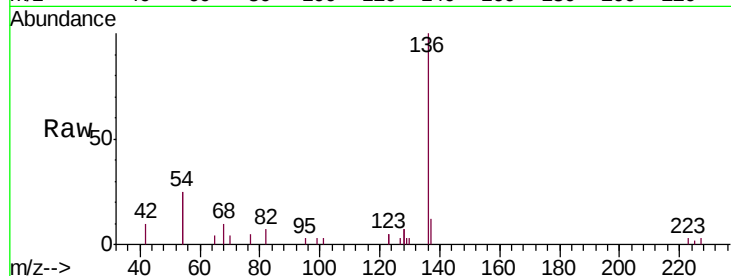
Ion Ratio Lower Upper

136 100

137 12.3 9.0 13.6

54 50.4 34.4 51.6

68 9.7 7.8 11.6

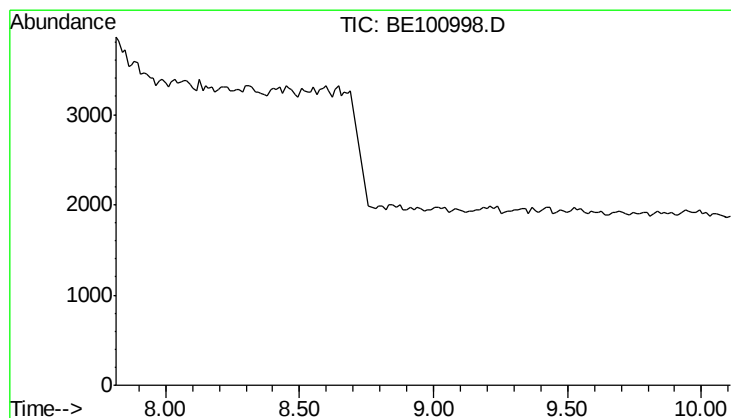
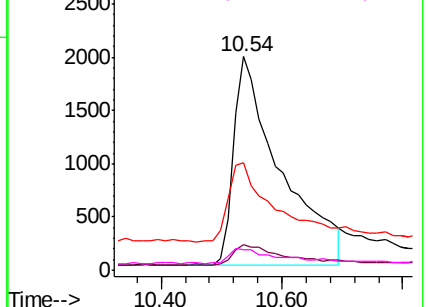
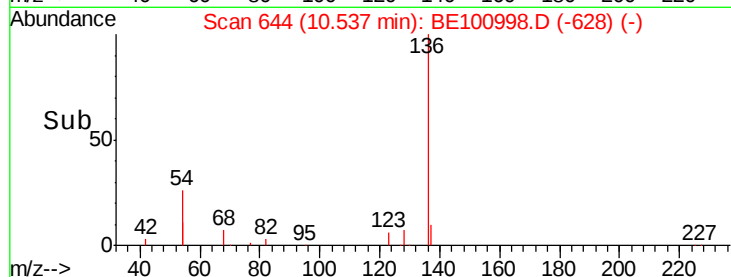


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.000 ng

Expected RT: 8.91 min

Lab File: BE100998.D

Acq: 27 Dec 2019 18:05

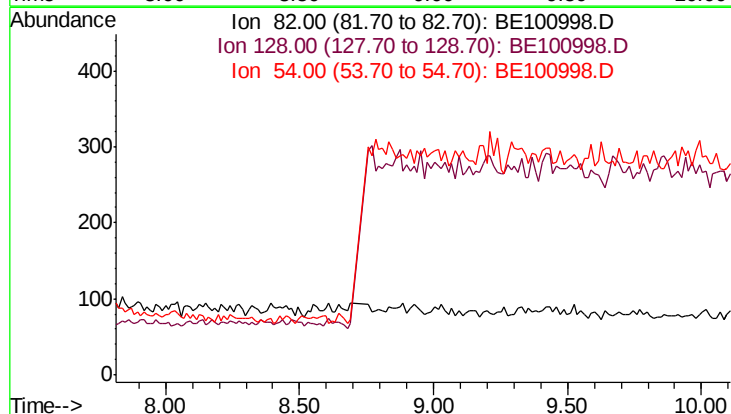
Tgt Ion: 82

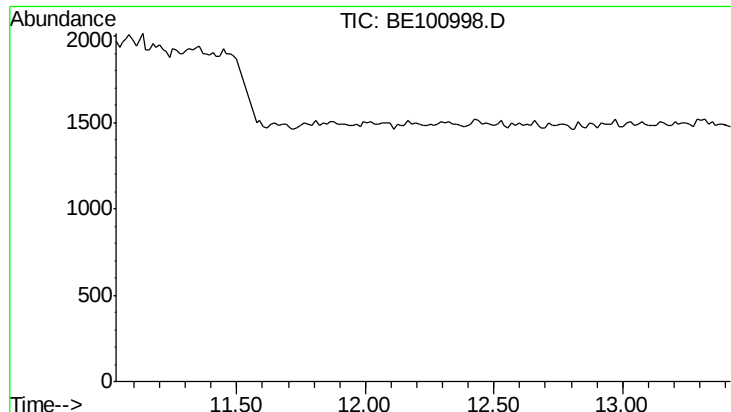
Sig Exp Ratio

82 100

128 175.2

54 229.7

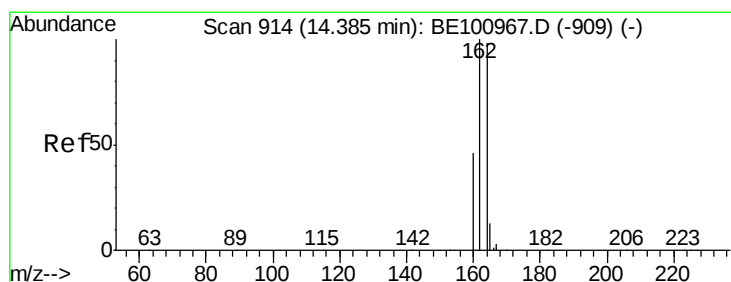
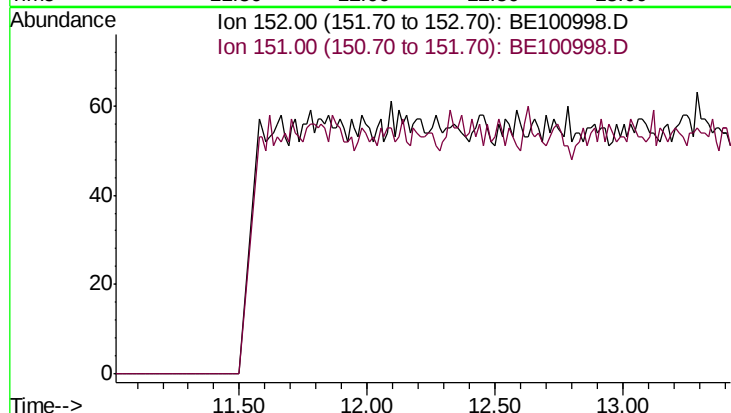




#11  
 2-Methylnaphthalene-d10  
 Concen: 0.000 ng  
 Expected RT: 12.12 min  
 Lab File: BE100998.D  
 Acq: 27 Dec 2019 18:05

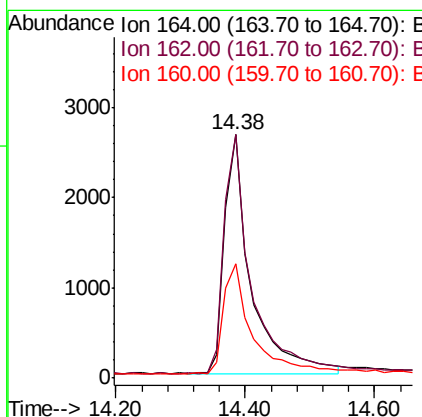
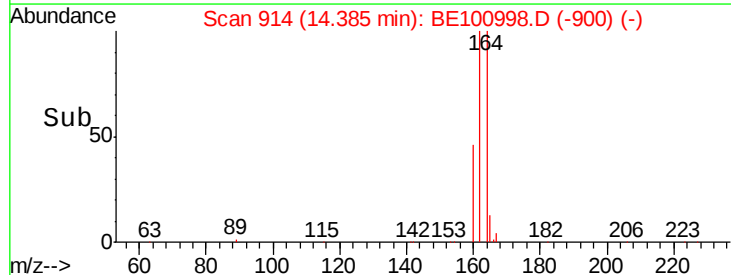
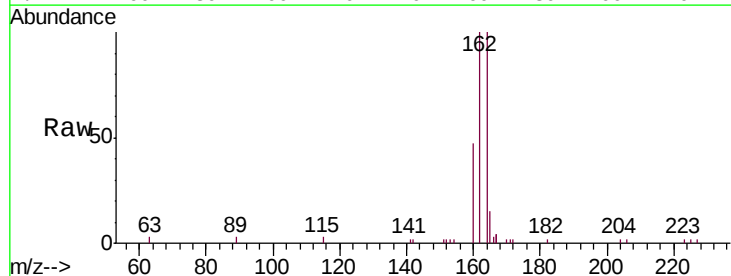
Instrument :  
 BNA\_E  
 ClientSampleId :  
 DUP-1DL

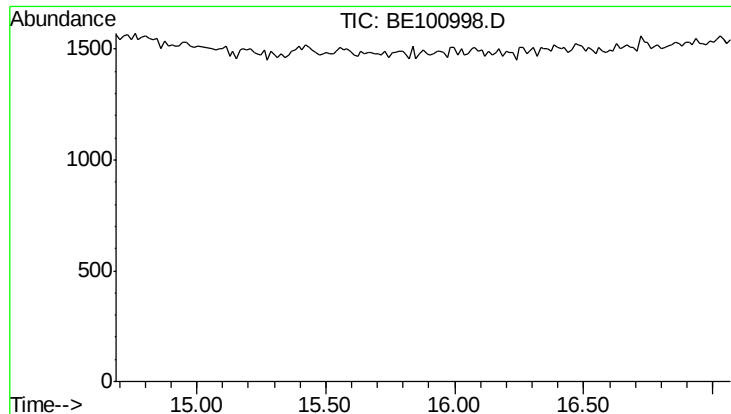
Tgt Ion: 152  
 Sig Exp Ratio  
 152 100  
 151 18.9



#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.38 min Scan# 914  
 Delta R.T. -0.00 min  
 Lab File: BE100998.D  
 Acq: 27 Dec 2019 18:05

Tgt Ion: 164 Resp: 7534  
 Ion Ratio Lower Upper  
 164 100  
 162 100.1 81.6 122.4  
 160 46.8 37.7 56.5

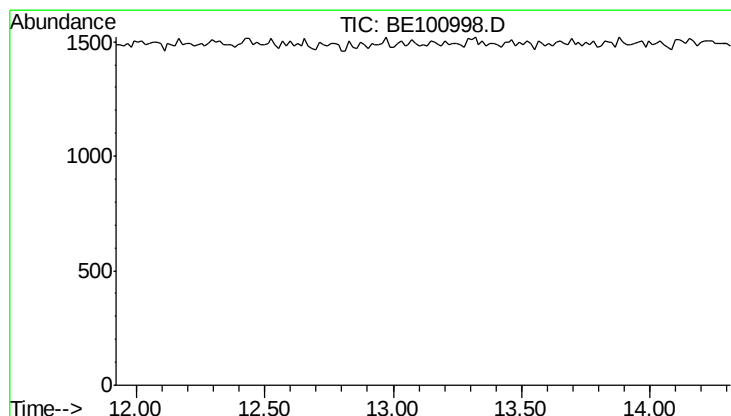
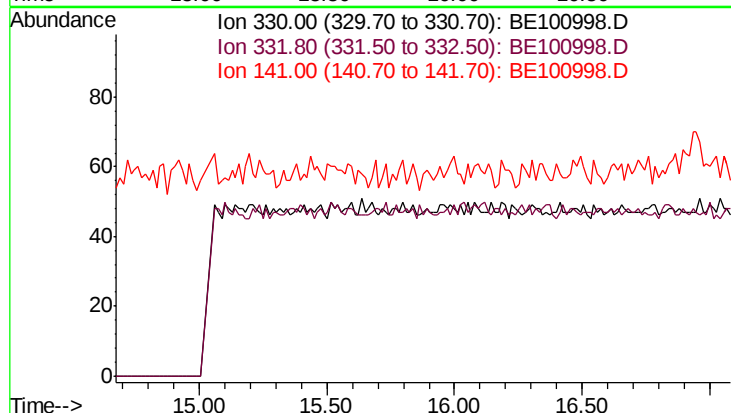




#14  
 2,4,6-Tribromophenol  
 Concen: 0.000 ng  
 Expected RT: 15.88 min  
 Lab File: BE100998.D  
 Acq: 27 Dec 2019 18:05

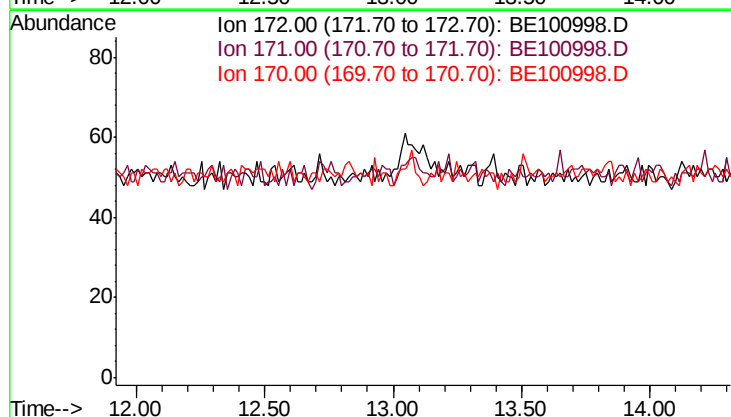
Instrument :  
 BNA\_E  
 ClientSampleId :  
 DUP-1DL

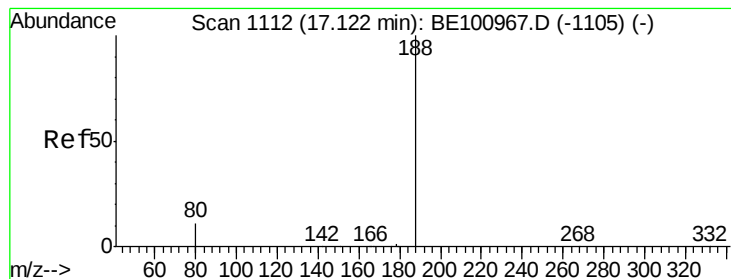
Tgt Ion: 330  
 Sig Exp Ratio  
 330 100  
 332 90.5  
 141 31.8



#15  
 2-Fluorobiphenyl  
 Concen: 0.000 ng  
 Expected RT: 13.02 min  
 Lab File: BE100998.D  
 Acq: 27 Dec 2019 18:05

Tgt Ion: 172  
 Sig Exp Ratio  
 172 100  
 171 36.3  
 170 25.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.12 min Scan# 1112

Delta R.T. 0.00 min

Lab File: BE100998.D

Acq: 27 Dec 2019 18:05

Instrument :

BNA\_E

ClientSampleId :

DUP-1DL

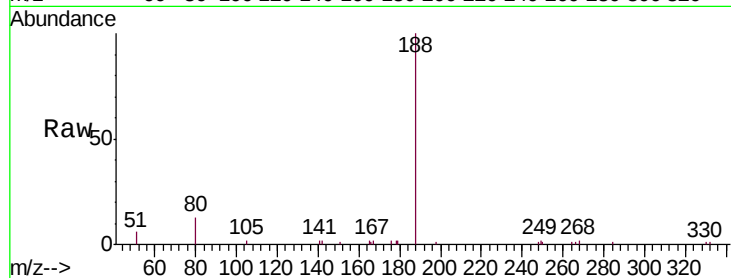
Tgt Ion:188 Resp: 15937

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

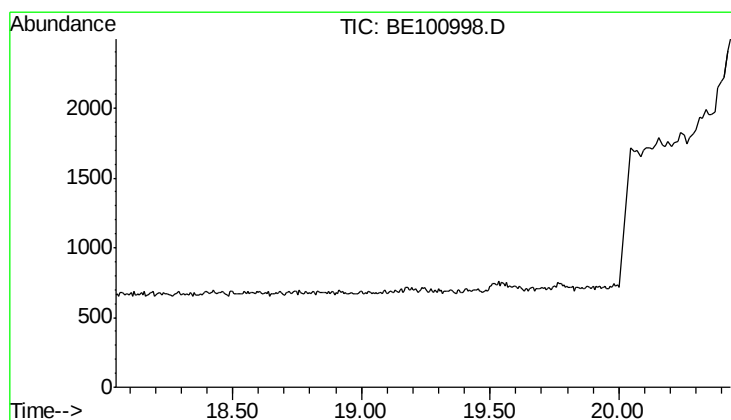
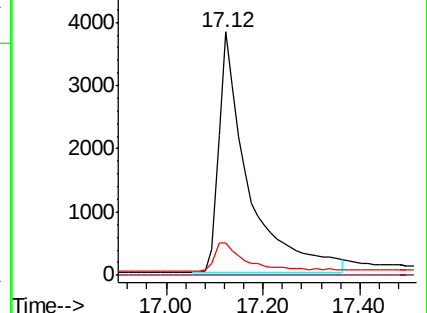
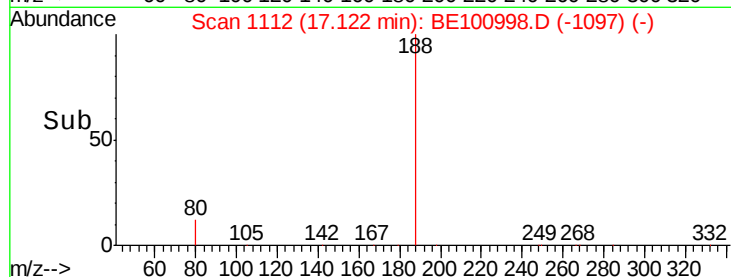
80 13.3 9.7 14.5



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: 0.000 ng

Expected RT: 19.14 min

Lab File: BE100998.D

Acq: 27 Dec 2019 18:05

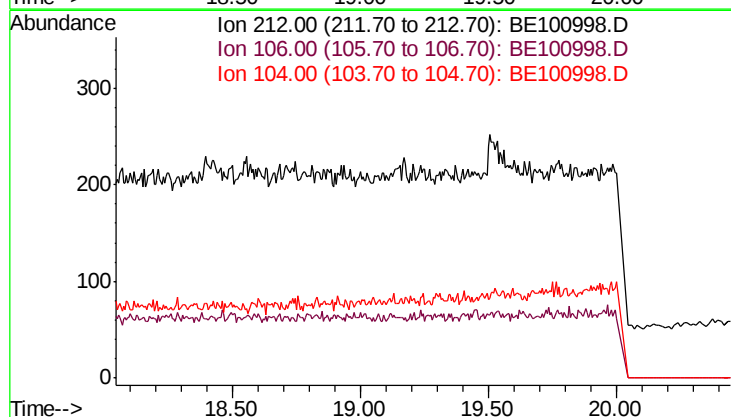
Tgt Ion: 212

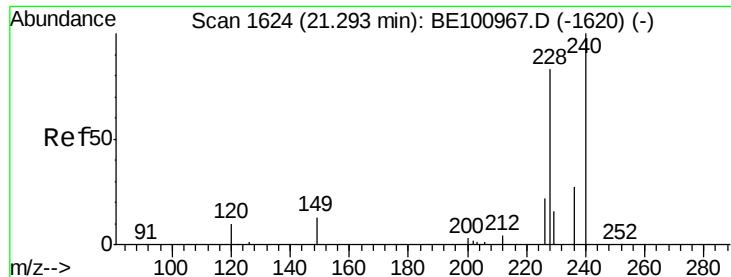
Sig Exp Ratio

212 100

106 3.0

104 1.7





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.29 min Scan# 1624

Delta R.T. -0.00 min

Lab File: BE100998.D

Acq: 27 Dec 2019 18:05

Instrument :

BNA\_E

ClientSampleId :

DUP-1DL

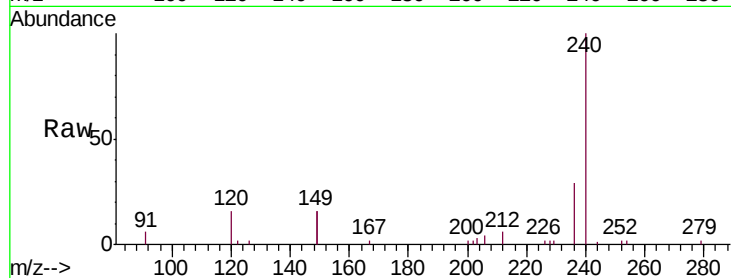
Tgt Ion: 240 Resp: 13101

Ion Ratio Lower Upper

240 100

120 16.0 10.2 15.4#

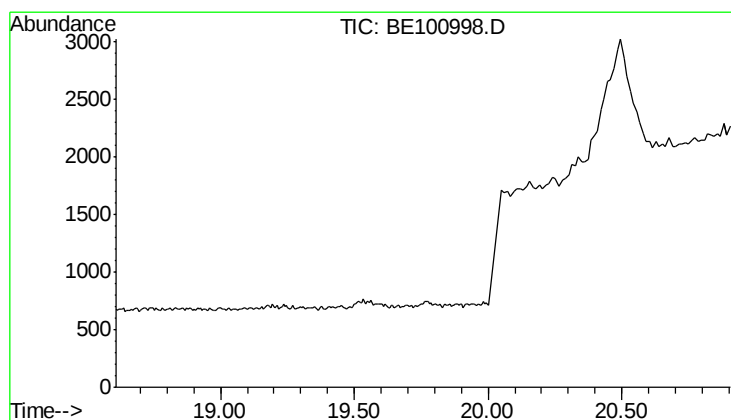
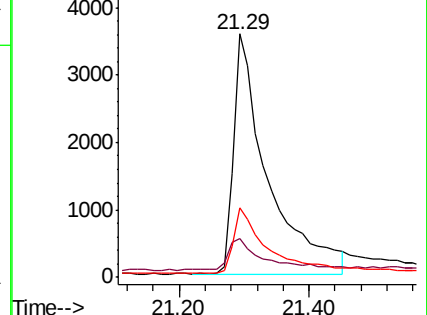
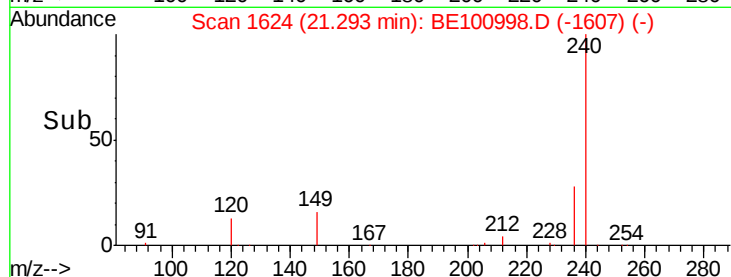
236 28.8 22.6 34.0



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: 0.000 ng

Expected RT: 19.76 min

Lab File: BE100998.D

Acq: 27 Dec 2019 18:05

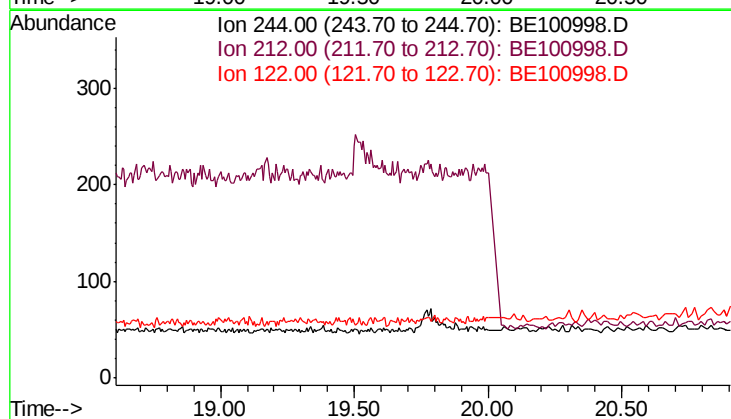
Tgt Ion: 244

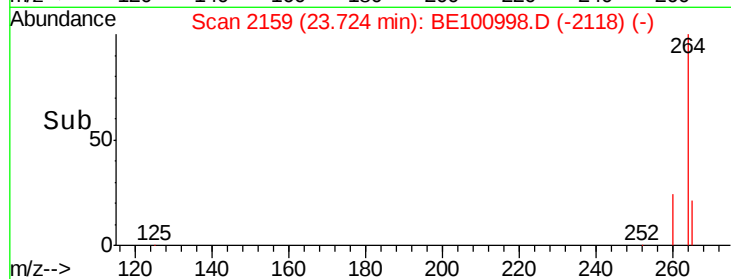
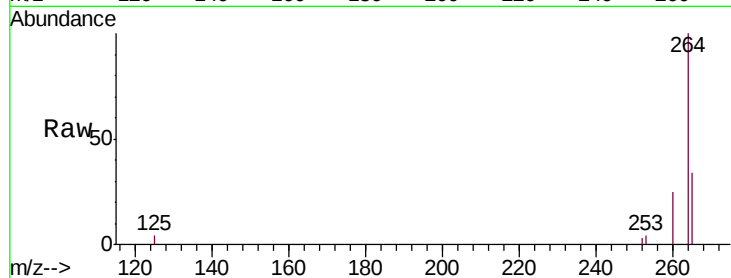
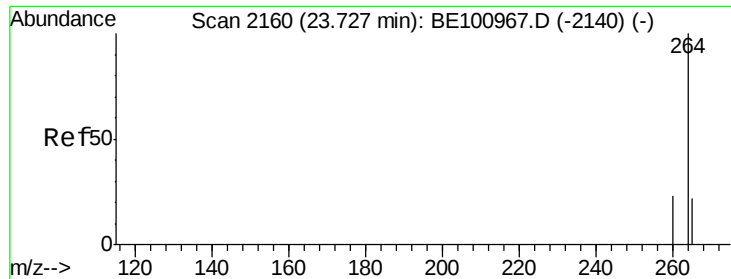
Sig Exp Ratio

244 100

212 36.6

122 12.8





#34

Perylene-d12

Concen: 0.400 ng

RT: 23.72 min Scan# 2159

Delta R.T. -0.00 min

Lab File: BE100998.D

Acq: 27 Dec 2019 18:05

Instrument :

BNA\_E

ClientSampleId :

DUP-1DL

Tgt Ion:264 Resp: 14791

Ion Ratio Lower Upper

264 100

260 25.0 19.1 28.7

265 34.2 26.6 40.0

