

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE100819\  
 Data File : BE100619.D  
 Acq On : 8 Oct 2019 21:30  
 Operator : JU  
 Sample : K5109-05DL 200X  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 DUP-1DL

Quant Time: Oct 09 04:30:46 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE100319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 09 01:42:20 2019  
 Response via : Initial Calibration

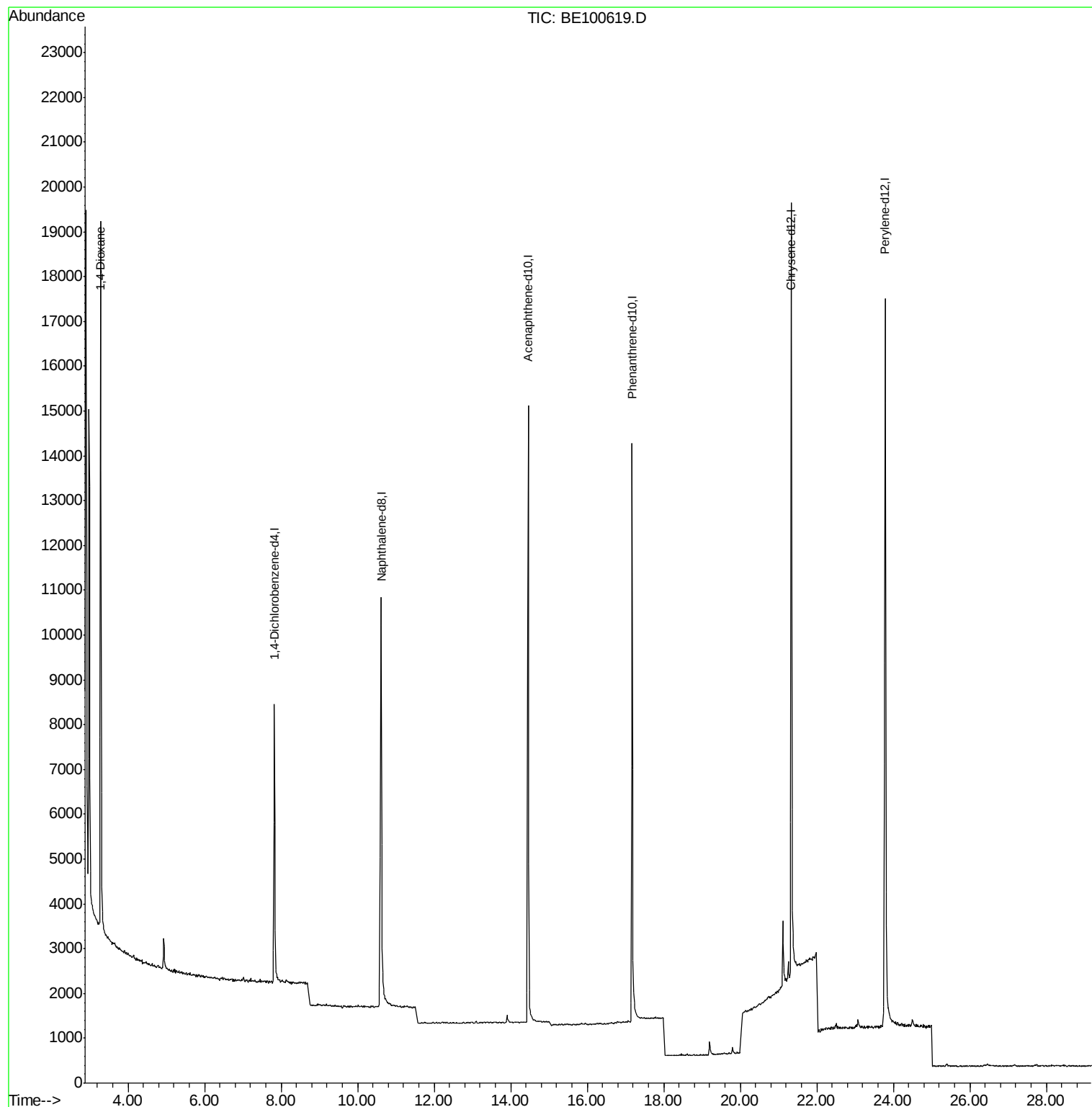
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|-------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.82  | 152  | 3311     | 0.40  | ng    | 0.00           |
| 7) Naphthalene-d8           | 10.61 | 136  | 15165    | 0.40  | ng    | 0.01           |
| 13) Acenaphthene-d10        | 14.46 | 164  | 9235     | 0.40  | ng    | 0.00           |
| 19) Phenanthrene-d10        | 17.17 | 188  | 20713    | 0.40  | ng    | 0.00           |
| 27) Chrysene-d12            | 21.33 | 240  | 22774    | 0.40  | ng    | 0.00           |
| 34) Perylene-d12            | 23.78 | 264  | 26519    | 0.40  | ng    | 0.00           |
| System Monitoring Compounds |       |      |          |       |       |                |
| 4) 2-Fluorophenol           | 5.40  | 112  | 18       | 0.00  | ng    | 0.00           |
| 5) Phenol-d6                | 6.99  | 99   | 21       | 0.00  | ng    | 0.00           |
| 8) Nitrobenzene-d5          | 8.98  | 82   | 29       | 0.00  | ng    | 0.01           |
| 11) 2-Methylnaphthalene-d10 | 12.21 | 152  | 35       | 0.00  | ng    | 0.00           |
| 14) 2,4,6-Tribromophenol    | 15.94 | 330  | 6        | 0.00  | ng    | 0.01           |
| 15) 2-Fluorobiphenyl        | 13.09 | 172  | 69       | 0.00  | ng    | 0.00           |
| 25) Fluoranthene-d10        | 19.20 | 212  | 566      | 0.00  | ng    | 0.00           |
| 29) Terphenyl-d14           | 19.79 | 244  | 188      | 0.00  | ng    | 0.00           |
| Target Compounds            |       |      |          |       |       |                |
| 2) 1,4-Dioxane              | 3.28  | 88   | 12043    | 2.160 | ng    | Qvalue<br># 90 |

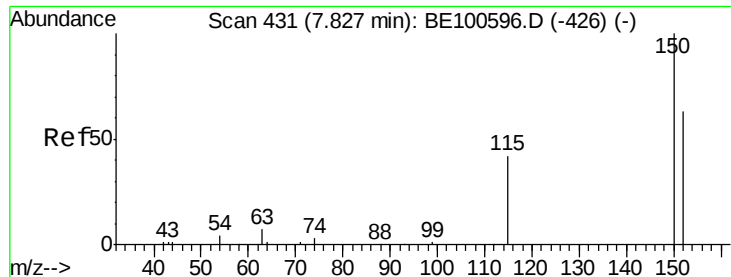
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 09 01:42:20 2019  
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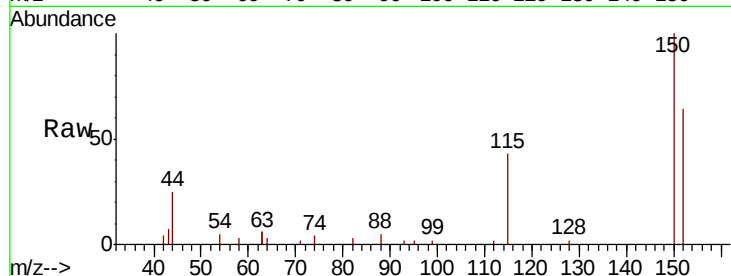


#1

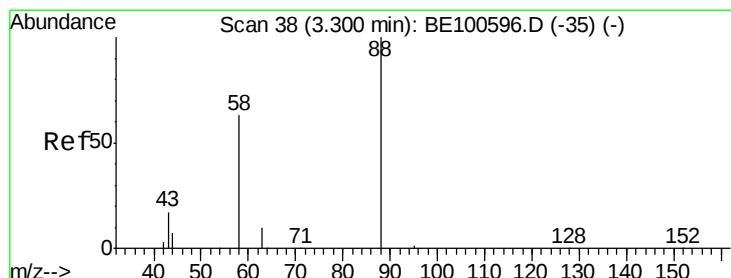
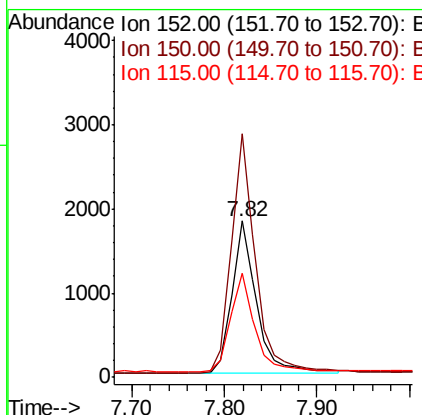
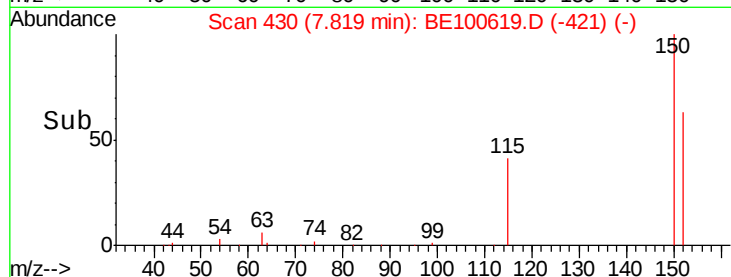
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.82 min Scan# 430  
Delta R.T. 0.00 min  
Lab File: BE100619.D  
Acq: 8 Oct 2019 21:30

Instrument :  
BNA\_E  
ClientSampleId :  
DUP-1DL

Tot Ion:152 Resp: 3311  
Ion Ratio Lower Upper  
152 100  
150 155.9 126.5 189.7  
115 66.5 54.6 81.8



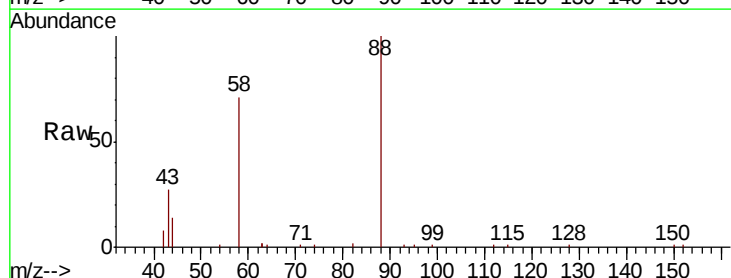
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



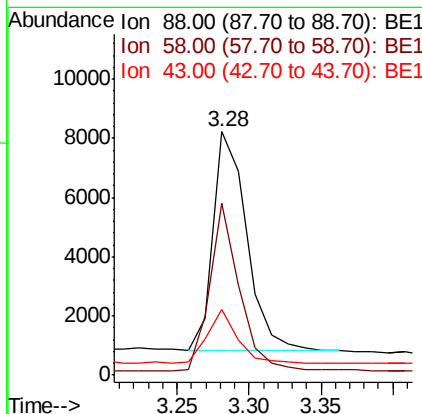
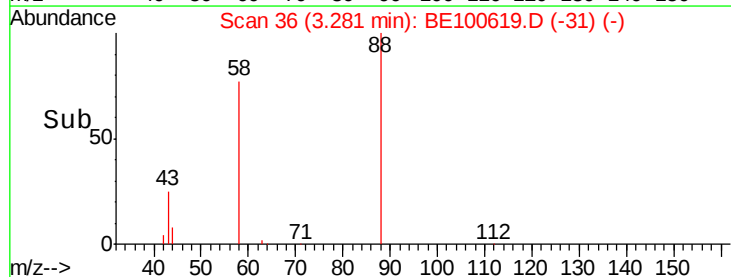
#2

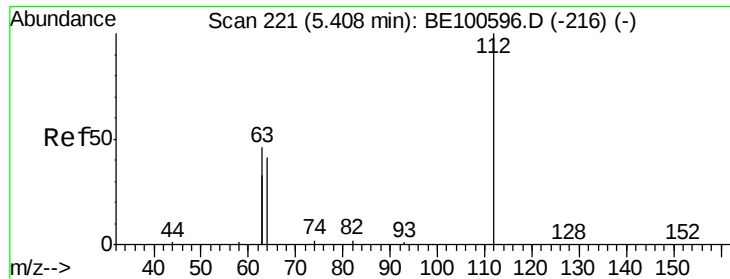
1,4-Dioxane  
Concen: 2.160 ng  
RT: 3.28 min Scan# 36  
Delta R.T. -0.01 min  
Lab File: BE100619.D  
Acq: 8 Oct 2019 21:30

Tgt Ion: 88 Resp: 12043  
Ion Ratio Lower Upper  
88 100  
58 67.8 48.1 72.1  
43 22.2 14.4 21.6#



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: 0.002 ng

RT: 5.40 min Scan# 220

Delta R.T. 0.00 min

Lab File: BE100619.D

Acq: 8 Oct 2019 21:30

Instrument :

BNA\_E

ClientSampleId :

DUP-1DL

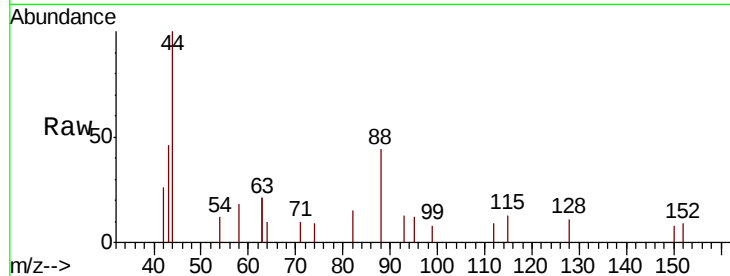
Tot Ion:112 Resp: 18

Ion Ratio Lower Upper

112 100

64 127.8 43.7 65.5#

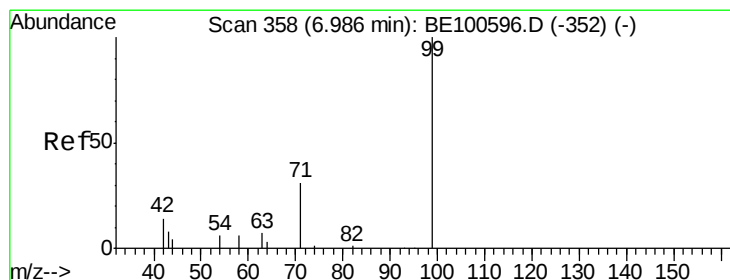
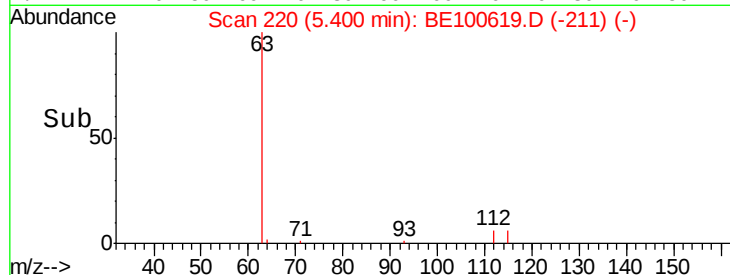
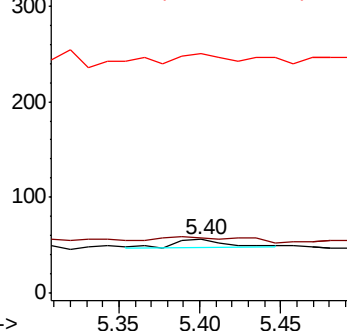
63 77.8 84.5 126.7#



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: 0.002 ng

RT: 6.99 min Scan# 358

Delta R.T. 0.00 min

Lab File: BE100619.D

Acq: 8 Oct 2019 21:30

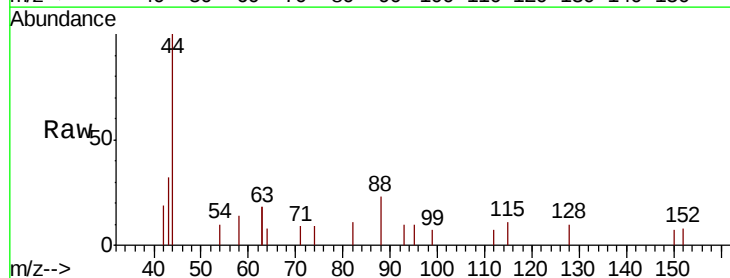
Tgt Ion: 99 Resp: 21

Ion Ratio Lower Upper

99 100

42 0.0 11.7 17.5#

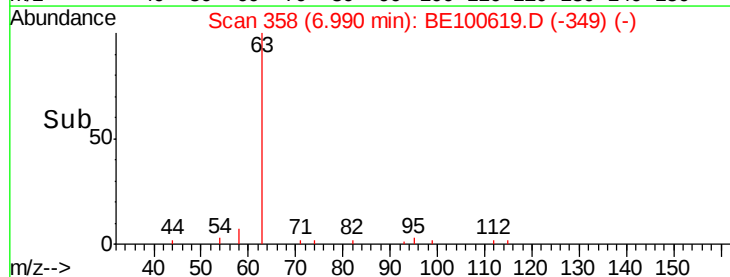
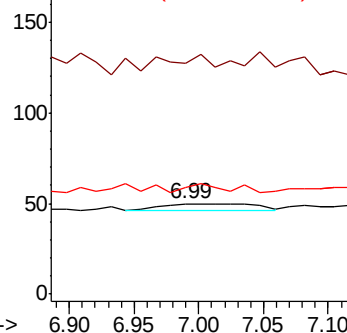
71 57.1 23.0 34.4#

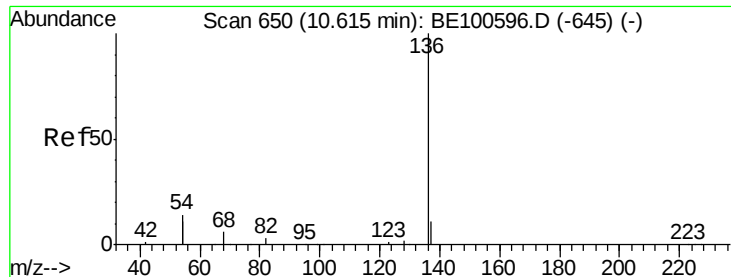


Abundance Ion 99.00 (98.70 to 99.70): BE1

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: 10.61 min Scan# 650

Delta R.T. 0.01 min

Lab File: BE100619.D

Acq: 8 Oct 2019 21:30

Instrument :

BNA\_E

ClientSampleId :

DUP-1DL

Tot Ion:136 Resp: 15165

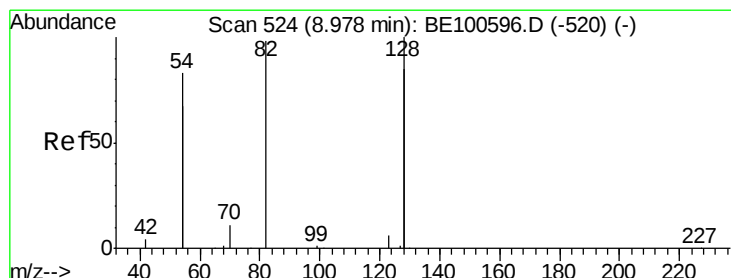
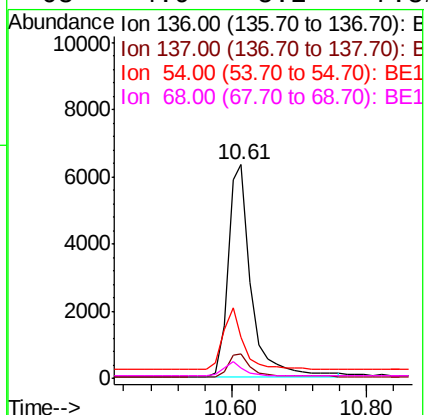
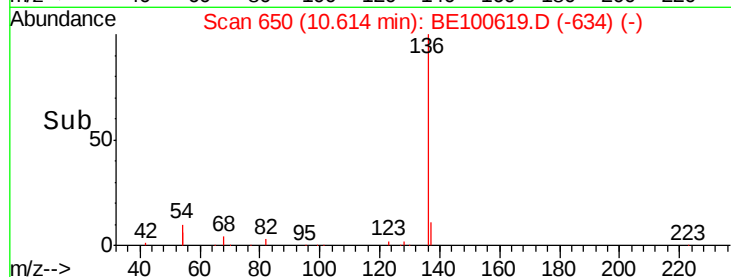
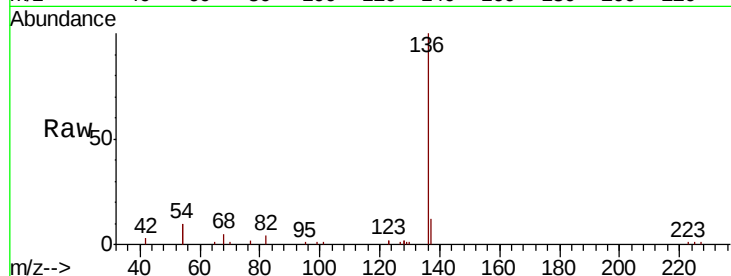
Ion Ratio Lower Upper

136 100

137 11.5 9.1 13.7

54 19.3 22.4 33.6#

68 4.9 5.2 7.8#



#8

Nitrobenzene-d5

Concen: 0.003 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.01 min

Lab File: BE100619.D

Acq: 8 Oct 2019 21:30

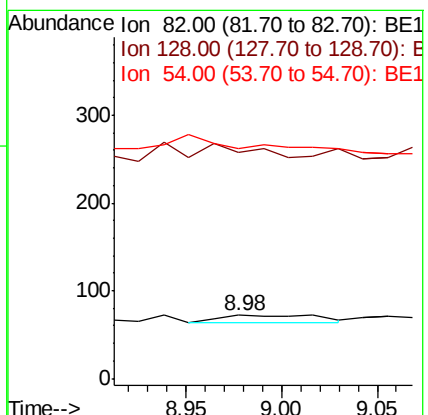
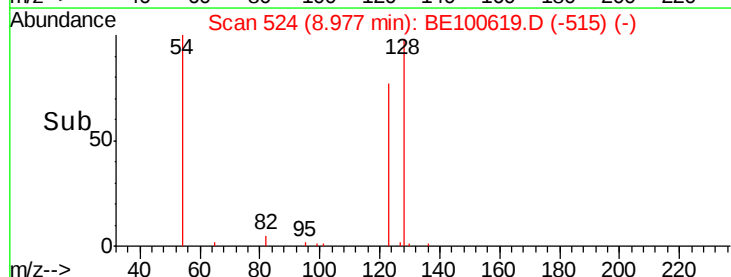
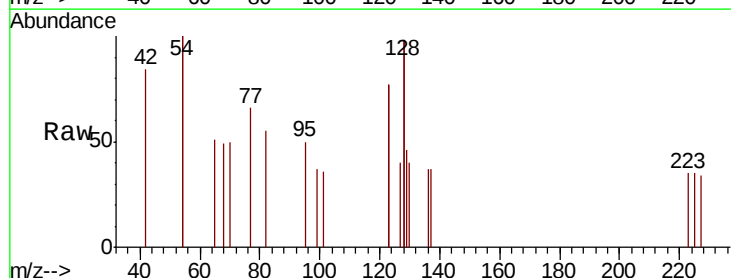
Tgt Ion: 82 Resp: 29

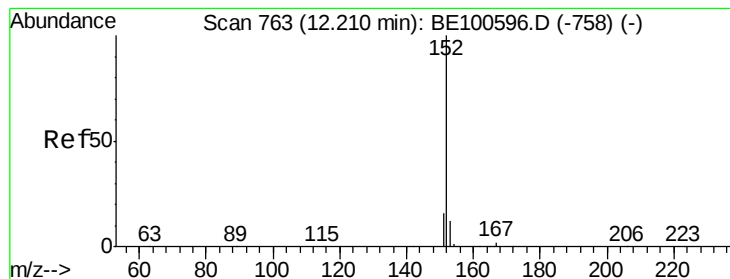
Ion Ratio Lower Upper

82 100

128 358.3 154.7 232.1#

54 363.9 128.5 192.7#





#11

2-Methylnaphthalene-d10

Concen: 0.002 ng

RT: 12.21 min Scan# 763

Delta R.T. -0.00 min

Lab File: BE100619.D

Acq: 8 Oct 2019 21:30

Instrument :

BNA\_E

ClientSampleId :

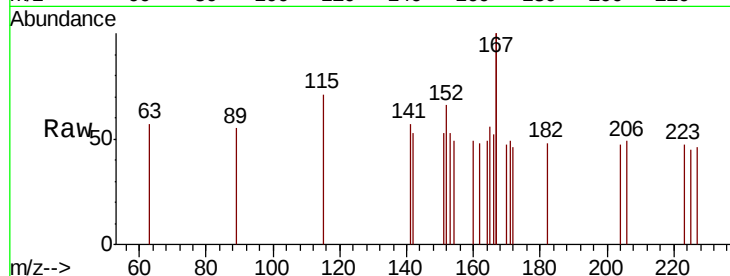
DUP-1DL

Tot Ion:152 Resp: 35

Ion Ratio Lower Upper

152 100

151 68.6 15.2 22.8#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.21

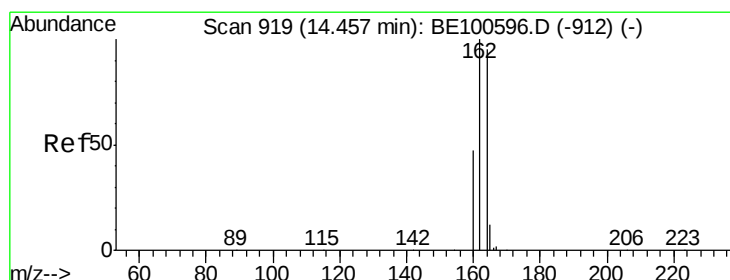
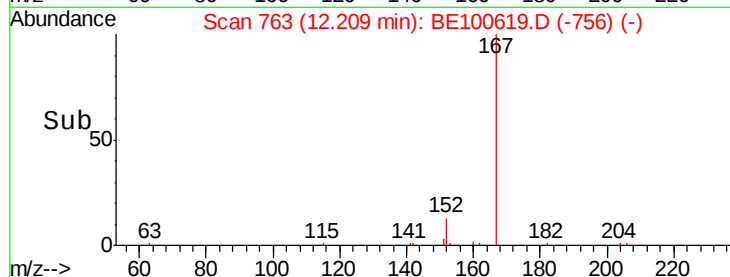
60

40

20

0

Time--> 12.10 12.20 12.30



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.46 min Scan# 919

Delta R.T. -0.00 min

Lab File: BE100619.D

Acq: 8 Oct 2019 21:30

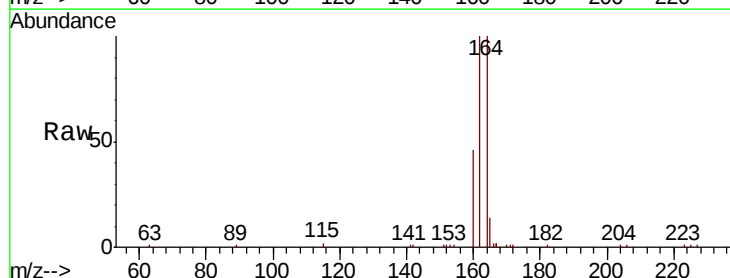
Tgt Ion:164 Resp: 9235

Ion Ratio Lower Upper

164 100

162 100.3 84.2 126.4

160 45.9 40.2 60.4



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

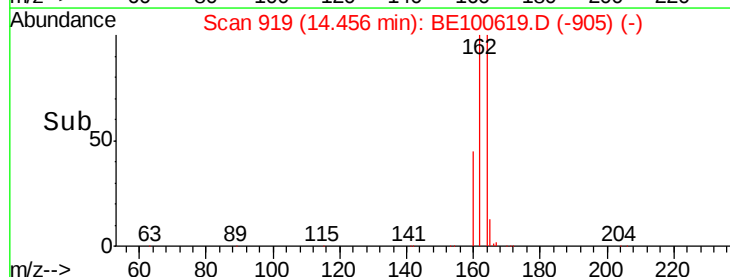
6000

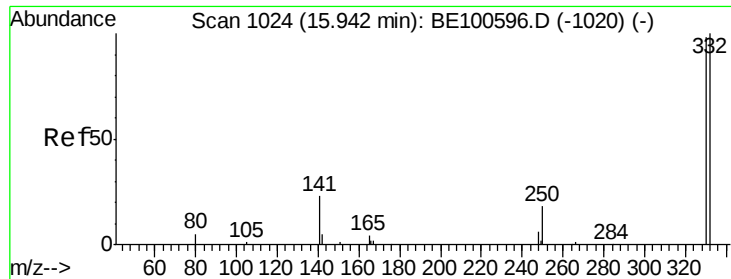
4000

2000

0

Time--> 14.20 14.40 14.60





#14

2,4,6-Tribromophenol

Concen: 0.003 ng

RT: 15.94 min Scan# 1024

Delta R.T. 0.01 min

Lab File: BE100619.D

Acq: 8 Oct 2019 21:30

Instrument :

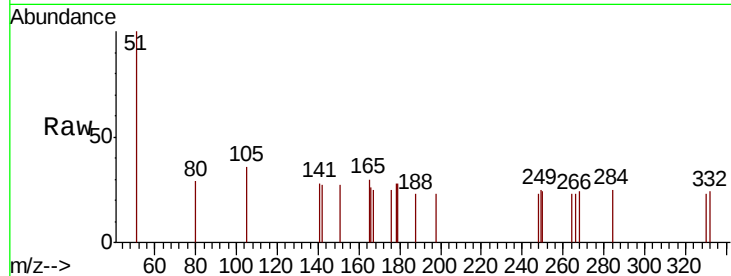
BNA\_E

ClientSampled :

DUP-1DL

Tot Ion:330 Resp: 6

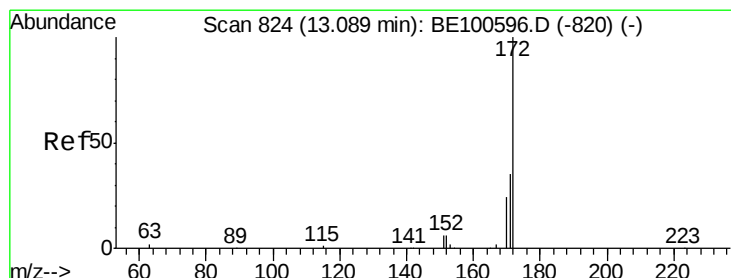
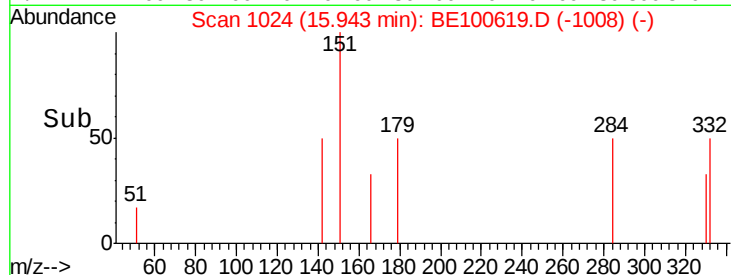
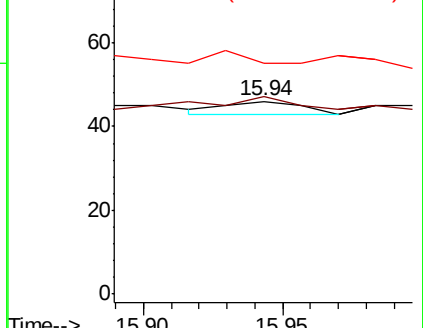
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 330 | 100   |       |        |
| 332 | 166.7 | 78.5  | 117.7# |
| 141 | 0.0   | 39.4  | 59.0#  |



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: 0.002 ng

RT: 13.09 min Scan# 824

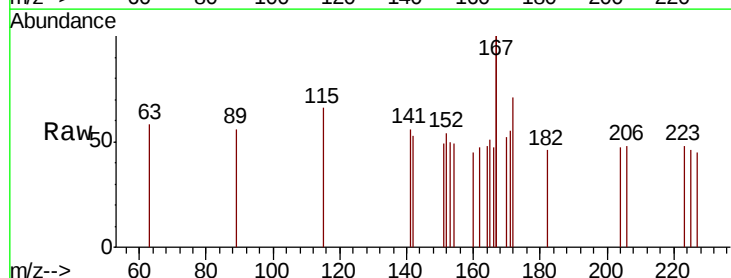
Delta R.T. -0.00 min

Lab File: BE100619.D

Acq: 8 Oct 2019 21:30

Tgt Ion:172 Resp: 69

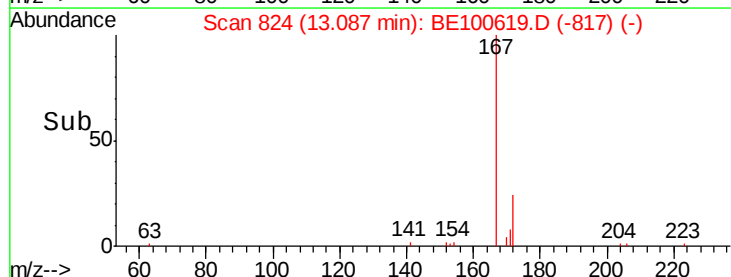
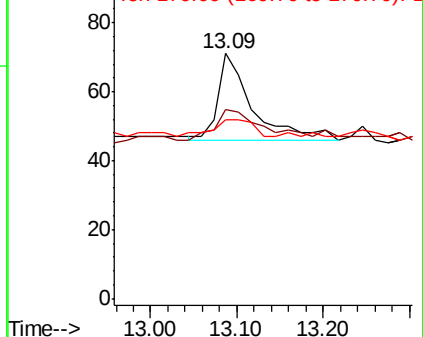
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 77.5  | 28.7  | 43.1# |
| 170 | 73.2  | 19.8  | 29.8# |

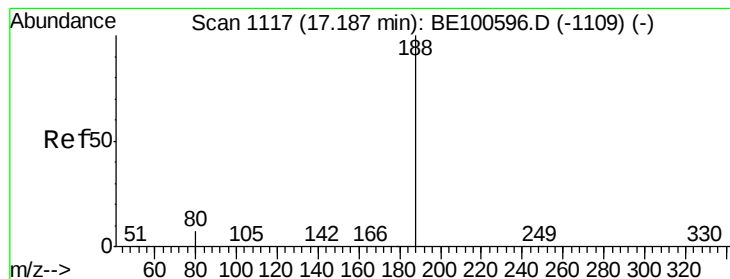


Abundance Ion 172.00 (171.70 to 172.70): E

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: 17.17 min Scan# 1116

Delta R.T. 0.00 min

Lab File: BE100619.D

Acq: 8 Oct 2019 21:30

Instrument :

BNA\_E

ClientSampleId :

DUP-1DL

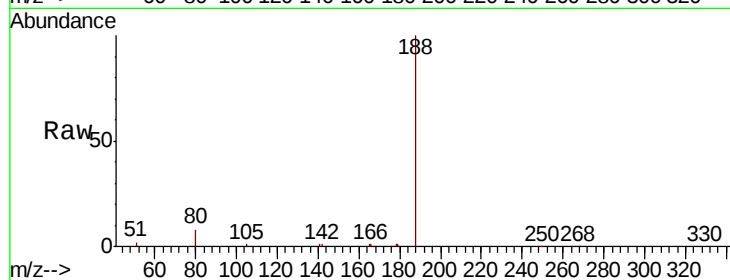
Tot Ion:188 Resp: 20713

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

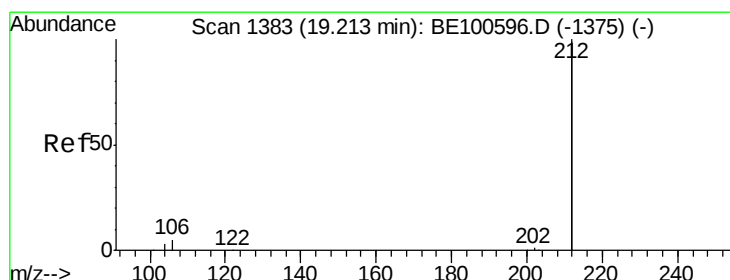
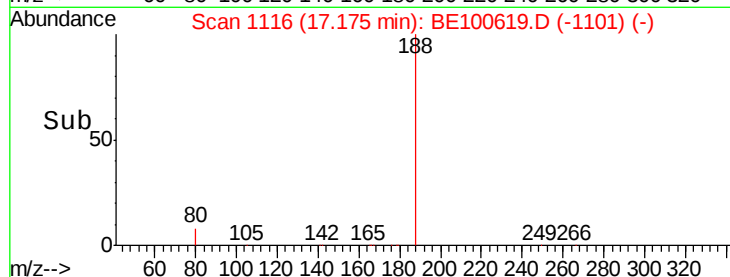
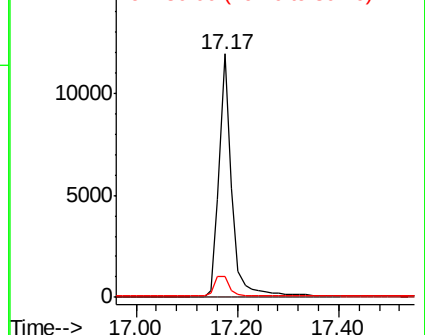
80 8.4 6.2 9.2



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: 0.002 ng

RT: 19.20 min Scan# 1381

Delta R.T. 0.01 min

Lab File: BE100619.D

Acq: 8 Oct 2019 21:30

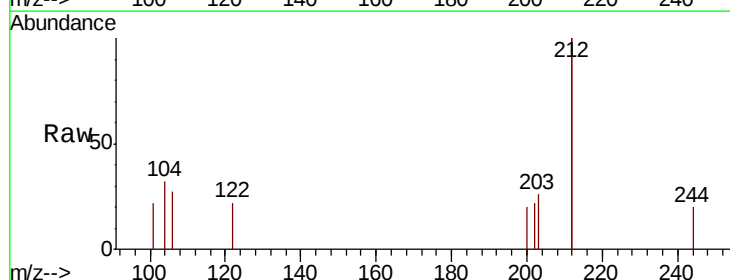
Tgt Ion:212 Resp: 566

Ion Ratio Lower Upper

212 100

106 3.9 2.3 3.5#

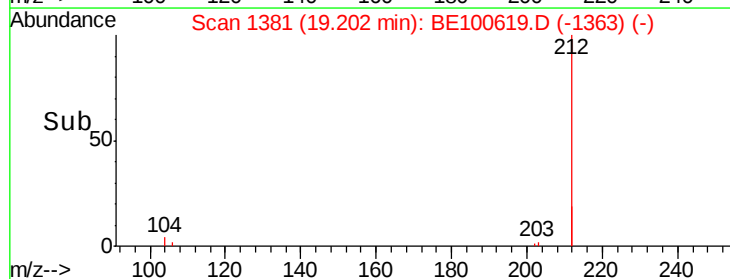
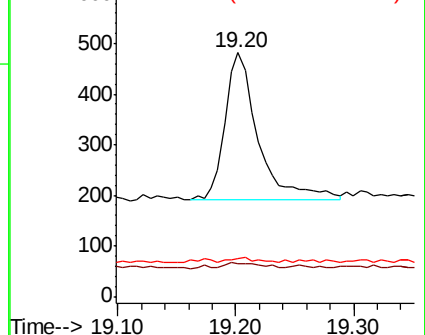
104 2.1 1.3 1.9#

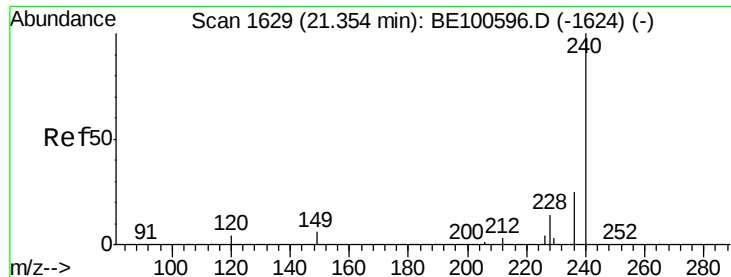


Abundance Ion 212.00 (211.70 to 212.70): E

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: 21.33 min Scan# 1627

Delta R.T. -0.00 min

Lab File: BE100619.D

Acq: 8 Oct 2019 21:30

Instrument :

BNA\_E

ClientSampleId :

DUP-1DL

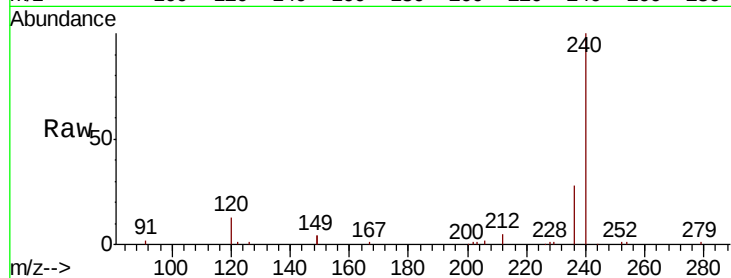
Tot Ion:240 Resp: 22774

Ion Ratio Lower Upper

240 100

120 12.5 3.6 5.4#

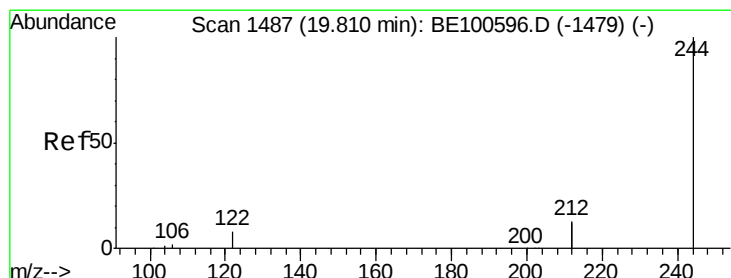
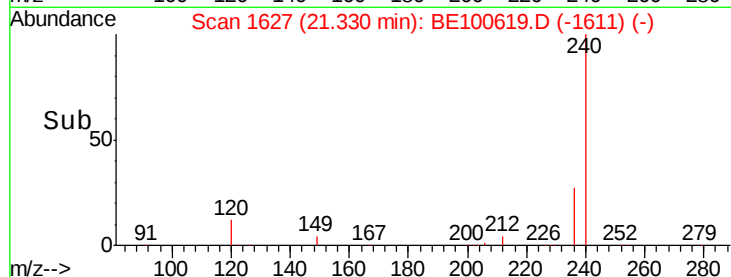
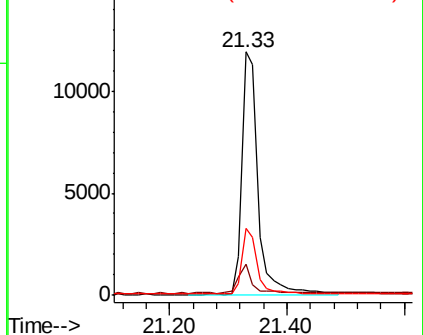
236 27.7 20.5 30.7



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: 0.004 ng

RT: 19.79 min Scan# 1484

Delta R.T. -0.01 min

Lab File: BE100619.D

Acq: 8 Oct 2019 21:30

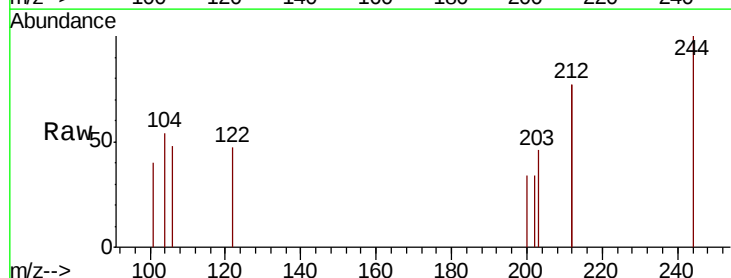
Tgt Ion:244 Resp: 188

Ion Ratio Lower Upper

244 100

212 153.1 20.6 31.0#

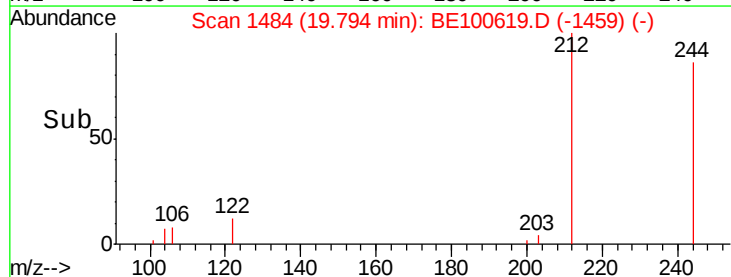
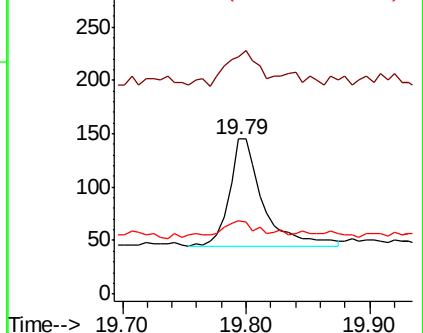
122 46.9 6.5 9.7#

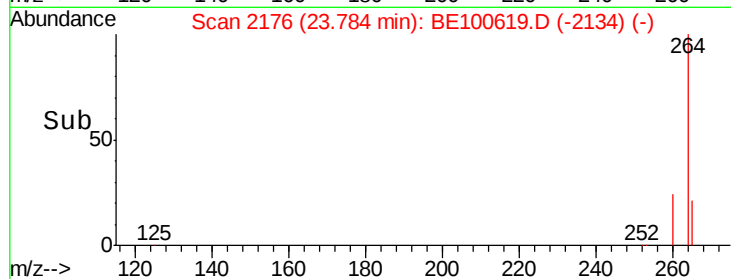
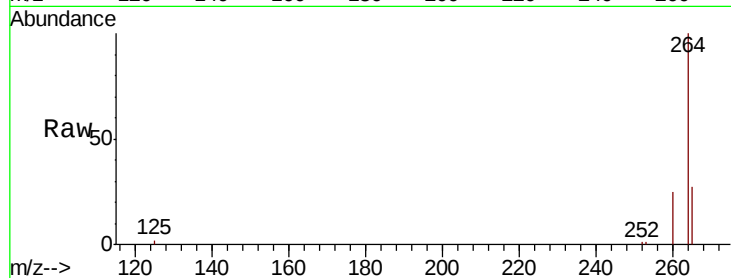
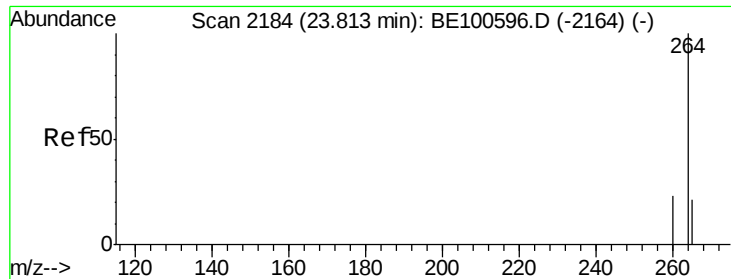


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#34  
 Pervlene-d12  
 Concen: 0.400 ng  
 RT: 23.78 min Scan# 2176  
 Delta R.T. -0.00 min  
 Lab File: BE100619.D  
 Acq: 8 Oct 2019 21:30

Instrument :  
 BNA\_E  
 ClientSampleId :  
 DUP-1DL

Tot Ion:264 Resp: 26519  
 Ion Ratio Lower Upper  
 264 100  
 260 24.5 19.0 28.4  
 265 27.5 20.9 31.3

