

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070220\  
 Data File : BN011091.D  
 Acq On : 02 Jul 2020 18:18  
 Operator : CG/JU  
 Sample : PB129885BL  
 Misc : MDL-WTR-PBBL-02  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB129885BL

Quant Time: Jul 02 19:43:22 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN063020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 30 14:12:13 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.52  | 152  | 2264     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8           | 10.28 | 136  | 6887     | 0.40 | ng    | 0.01     |
| 13) Acenaphthene-d10        | 14.14 | 164  | 3690     | 0.40 | ng    | 0.01     |
| 19) Phenanthrene-d10        | 16.91 | 188  | 7375     | 0.40 | ng    | 0.01     |
| 29) Chrysene-d12            | 21.11 | 240  | 6317     | 0.40 | ng    | 0.00     |
| 36) Perylene-d12            | 23.25 | 264  | 6546     | 0.40 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |      |       |          |
| 4) 2-Fluorophenol           | 5.19  | 112  | 1672     | 0.30 | ng    | 0.00     |
| 5) Phenol-d6                | 6.74  | 99   | 1483     | 0.23 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 8.68  | 82   | 1952     | 0.33 | ng    | 0.03     |
| 11) 2-Methylnaphthalene-d10 | 11.88 | 152  | 4356     | 0.37 | ng    | 0.01     |
| 14) 2,4,6-Tribromophenol    | 15.67 | 330  | 333      | 0.21 | ng    | 0.01     |
| 15) 2-Fluorobiphenyl        | 12.77 | 172  | 5112     | 0.29 | ng    | 0.01     |
| 27) Fluoranthene-d10        | 18.94 | 212  | 8940     | 0.40 | ng    | 0.00     |
| 31) Terphenyl-d14           | 19.55 | 244  | 6348     | 0.39 | ng    | 0.00     |

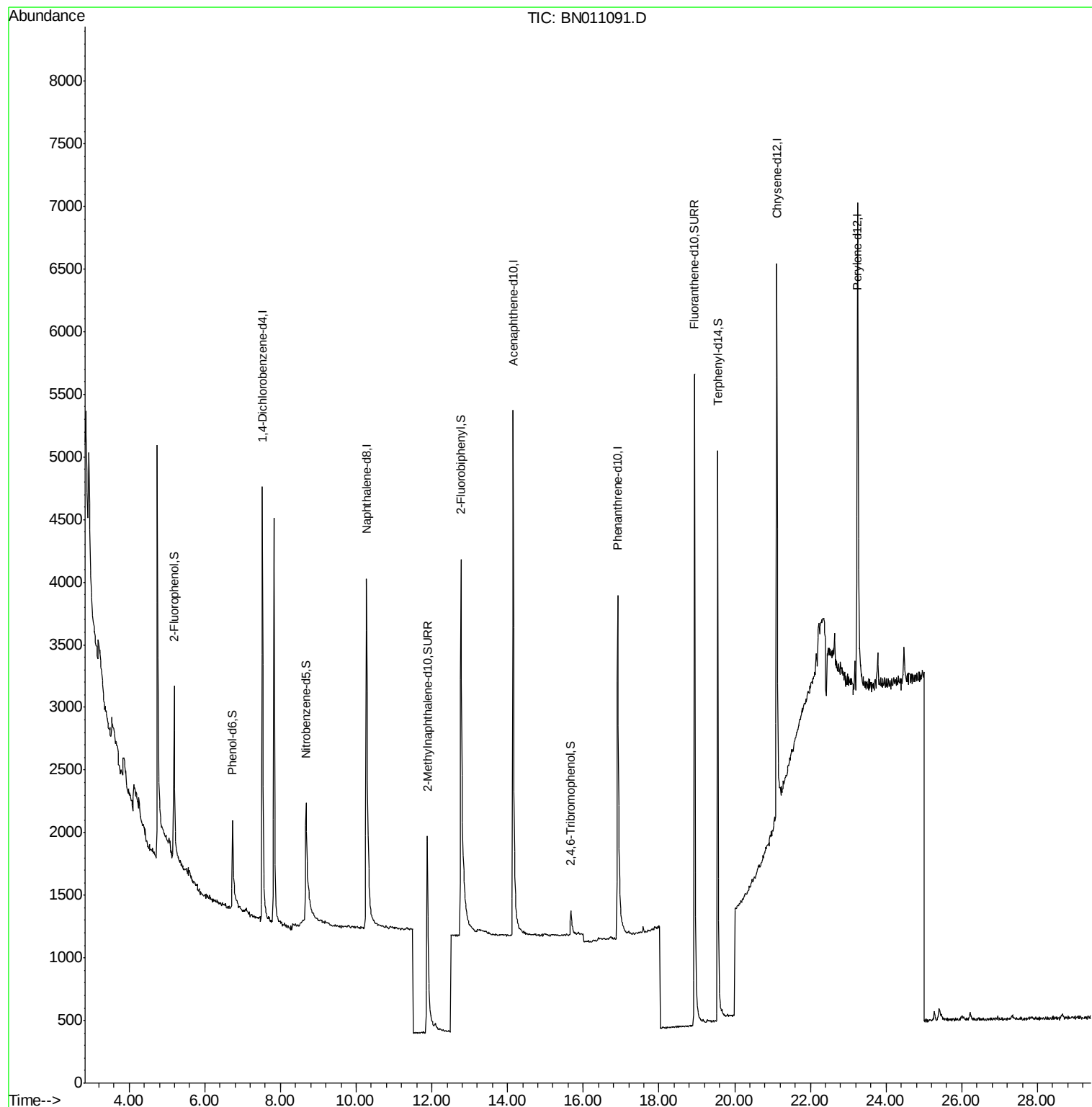
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

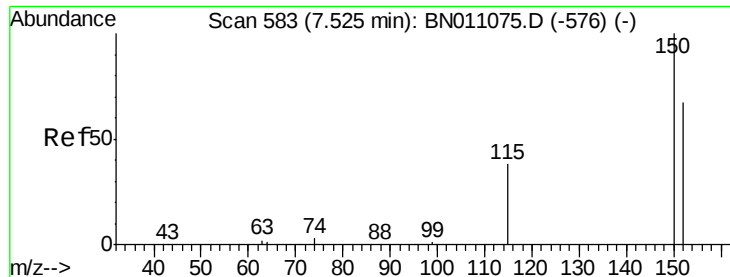
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 02 19:43:22 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN063020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jun 30 14:12:13 2020  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.52 min Scan# 583

Delta R.T. -0.00 min

Lab File: BN011091.D

Acq: 02 Jul 2020 18:18

Instrument :

BNA\_N

ClientSampleId :

PB129885BL

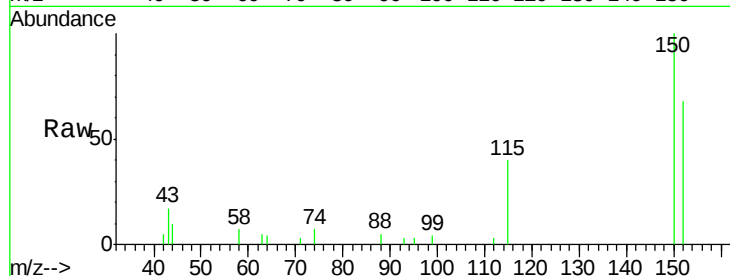
Tot Ion:152 Resp: 2264

Ion Ratio Lower Upper

152 100

150 148.0 117.4 176.0

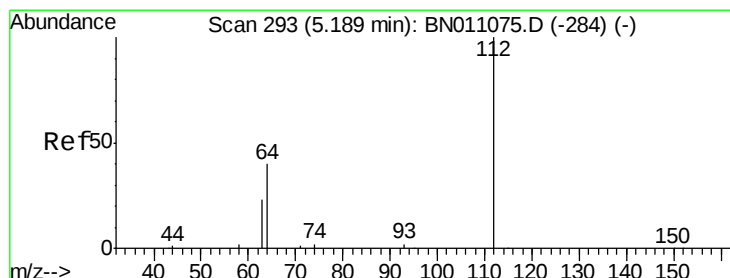
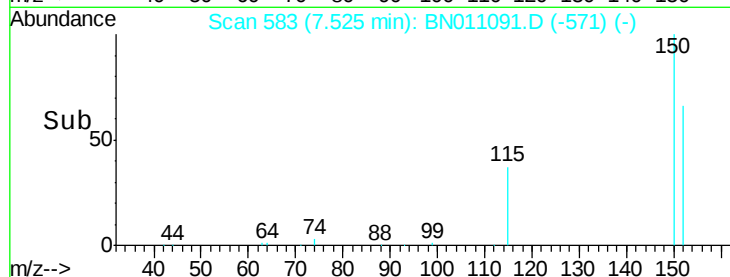
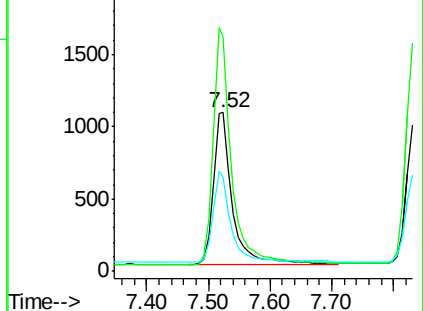
115 59.0 47.9 71.9



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



#4

2-Fluorophenol

Concen: 0.297 ng

RT: 5.19 min Scan# 293

Delta R.T. -0.00 min

Lab File: BN011091.D

Acq: 02 Jul 2020 18:18

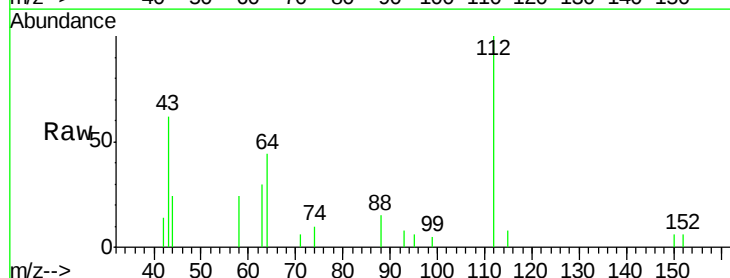
Tgt Ion:112 Resp: 1672

Ion Ratio Lower Upper

112 100

64 45.1 36.5 54.7

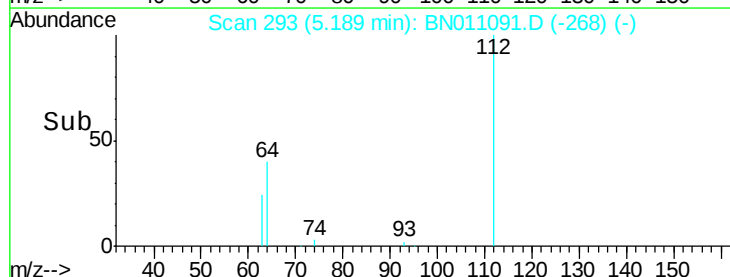
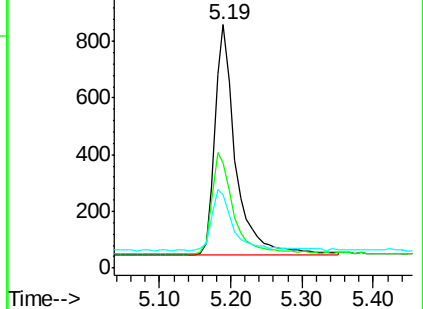
63 25.8 20.6 30.8

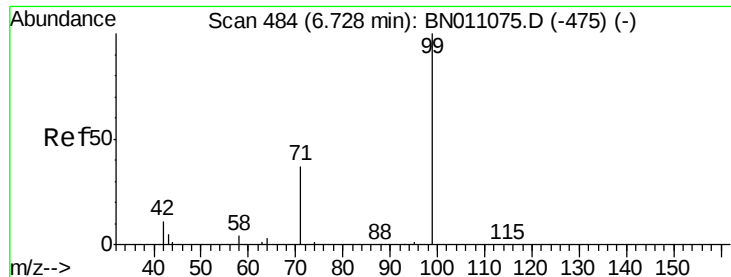


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.229 ng

RT: 6.74 min Scan# 485

Delta R.T. 0.01 min

Lab File: BN011091.D

Acq: 02 Jul 2020 18:18

Instrument :

BNA\_N

ClientSampleId :

PB129885BL

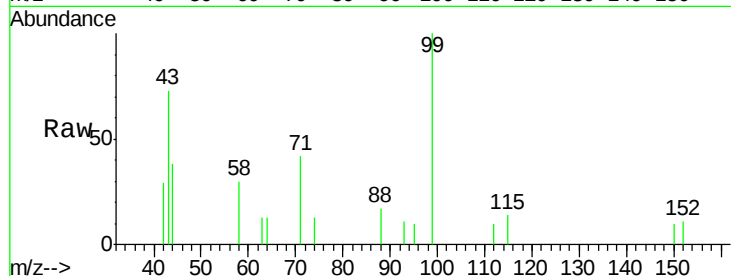
Tot Ion: 99 Resp: 1483

Ion Ratio Lower Upper

99 100

42 14.2 9.8 14.8

71 37.8 30.7 46.1

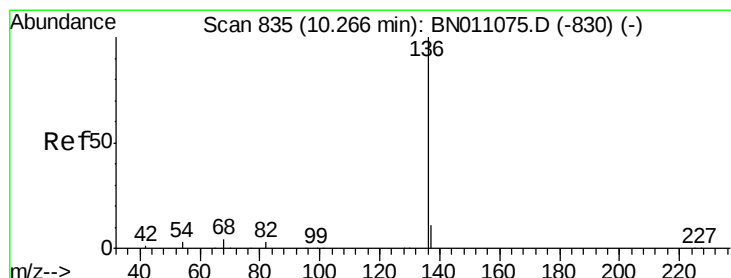
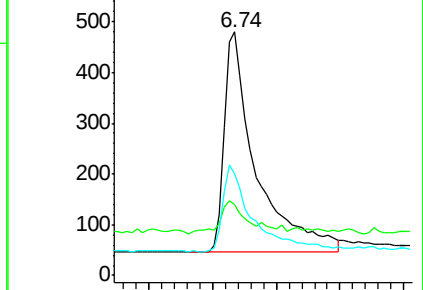
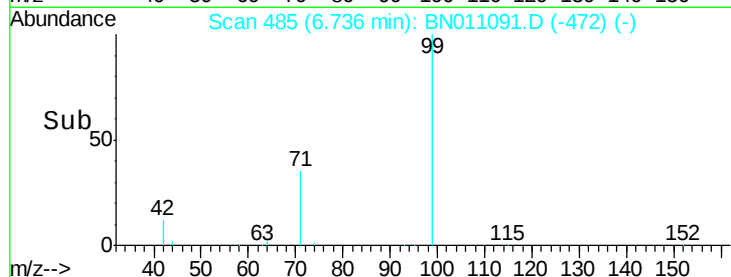


Abundance Ion 99.00 (98.70 to 99.70): BN011075.D (-475) (-)

Ion 42.00 (41.70 to 42.70): BN011075.D (-475) (-)

Ion 71.00 (70.70 to 71.70): BN011075.D (-475) (-)

Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.28 min Scan# 836

Delta R.T. 0.01 min

Lab File: BN011091.D

Acq: 02 Jul 2020 18:18

Tgt Ion: 136 Resp: 6887

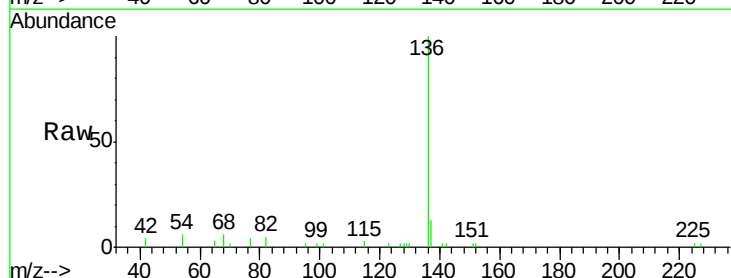
Ion Ratio Lower Upper

136 100

137 12.6 9.6 14.4

54 5.8 3.8 5.6#

68 5.5 4.3 6.5



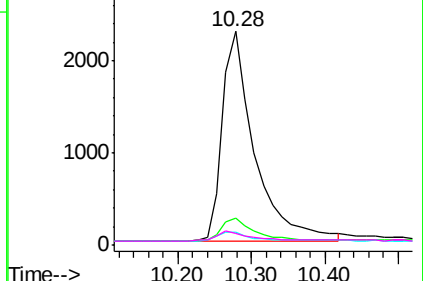
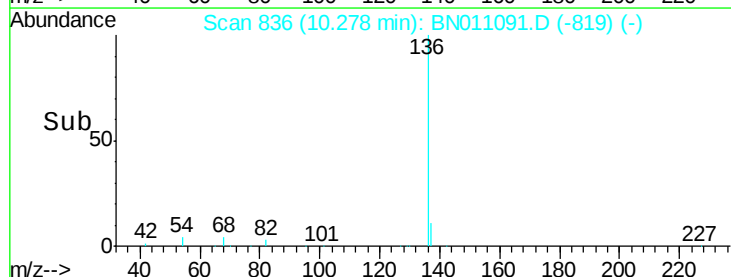
Abundance Ion 136.00 (135.70 to 136.70): BN011075.D (-830) (-)

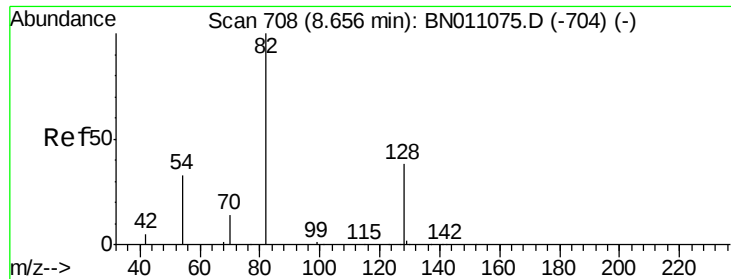
Ion 137.00 (136.70 to 137.70): BN011075.D (-830) (-)

Ion 54.00 (53.70 to 54.70): BN011075.D (-830) (-)

Ion 68.00 (67.70 to 68.70): BN011075.D (-830) (-)

Time-->





#8

Nitrobenzene-d5

Concen: 0.334 ng

RT: 8.68 min Scan# 710

Delta R.T. 0.03 min

Lab File: BN011091.D

Acq: 02 Jul 2020 18:18

Instrument :

BNA\_N

ClientSampleId :

PB129885BL

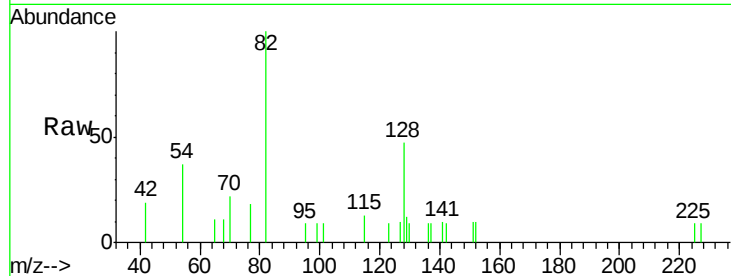
Tot Ion: 82 Resp: 1952

Ion Ratio Lower Upper

82 100

128 47.3 34.2 51.2

54 37.0 29.4 44.0



Abundance Ion 82.00 (81.70 to 82.70): BN011091.D (-700) (-)

Ion 128.00 (127.70 to 128.70): BN011091.D (-700) (-)

Ion 54.00 (53.70 to 54.70): BN011091.D (-700) (-)

8.68

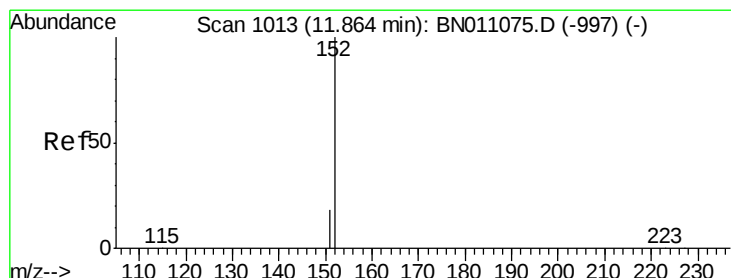
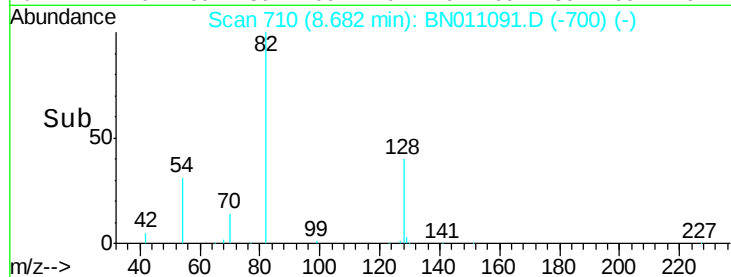
400

200

0

8.50 8.60 8.70 8.80 8.90

Time-->



#11

2-Methylnaphthalene-d10

Concen: 0.365 ng

RT: 11.88 min Scan# 1016

Delta R.T. 0.01 min

Lab File: BN011091.D

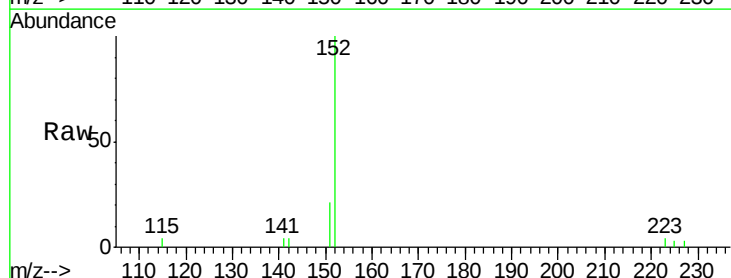
Acq: 02 Jul 2020 18:18

Tgt Ion: 152 Resp: 4356

Ion Ratio Lower Upper

152 100

151 19.3 16.6 24.8



Abundance Ion 152.00 (151.70 to 152.70): BN011091.D (-968) (-)

Ion 151.00 (150.70 to 151.70): BN011091.D (-968) (-)

11.88

1500

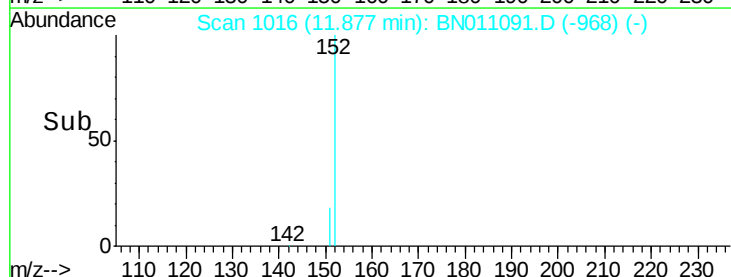
1000

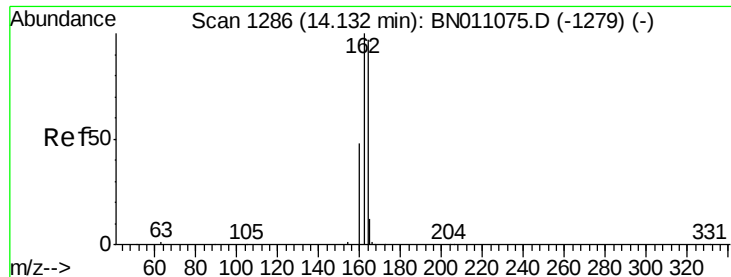
500

0

11.80 11.90 12.00

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.14 min Scan# 1287

Delta R.T. 0.01 min

Lab File: BN011091.D

Acq: 02 Jul 2020 18:18

Instrument :

BNA\_N

ClientSampleId :

PB129885BL

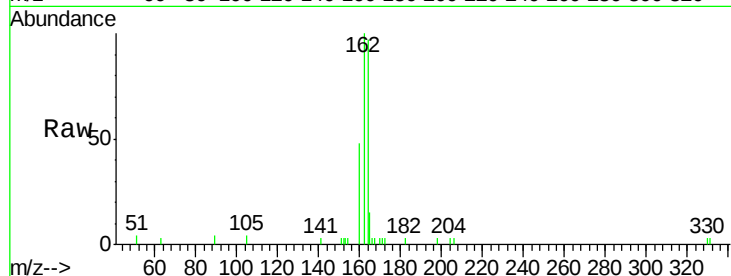
Tot Ion:164 Resp: 3690

Ion Ratio Lower Upper

164 100

162 102.6 82.3 123.5

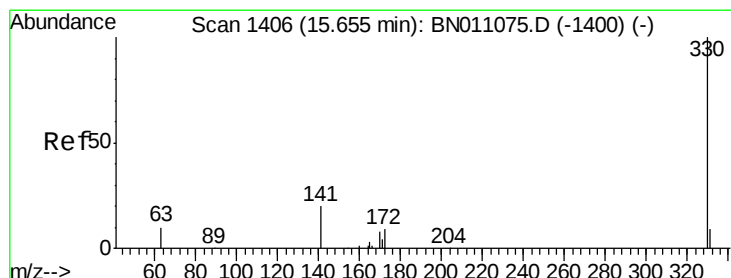
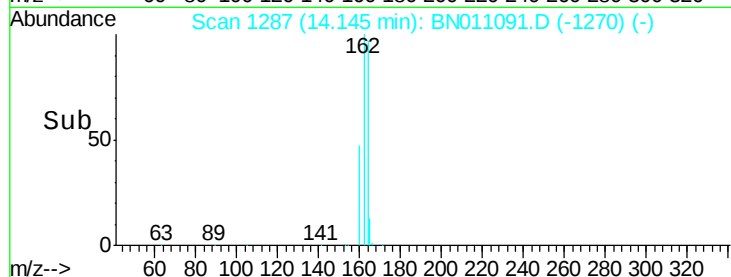
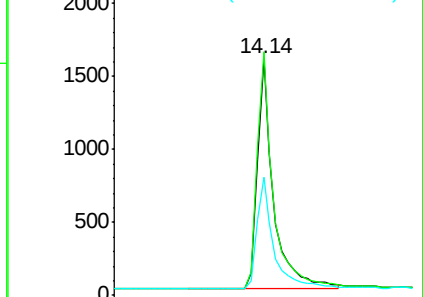
160 49.6 40.6 61.0



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: 0.215 ng

RT: 15.67 min Scan# 1407

Delta R.T. 0.01 min

Lab File: BN011091.D

Acq: 02 Jul 2020 18:18

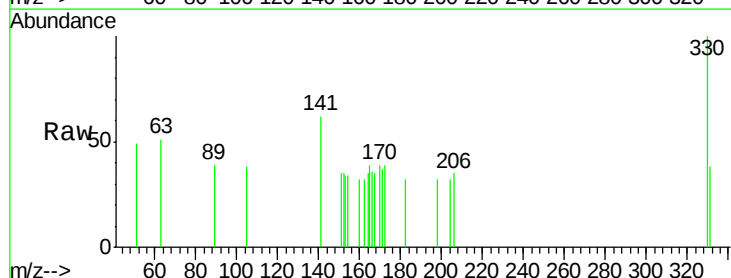
Tgt Ion:330 Resp: 333

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

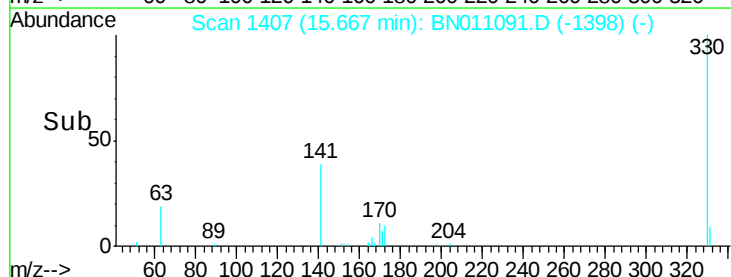
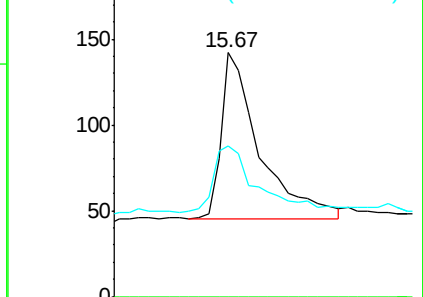
141 46.5 32.6 49.0

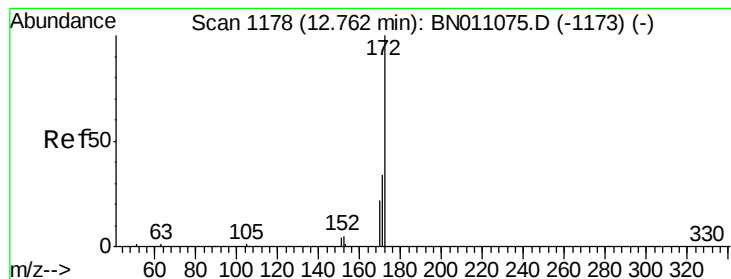


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.294 ng

RT: 12.77 min Scan# 1179

Delta R.T. 0.01 min

Lab File: BN011091.D

Acq: 02 Jul 2020 18:18

Instrument :

BNA\_N

ClientSampleId :

PB129885BL

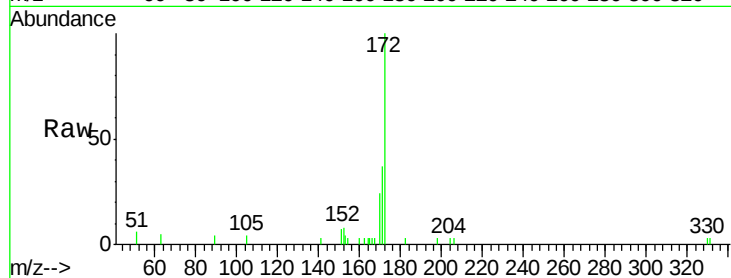
Tot Ion:172 Resp: 5112

Ion Ratio Lower Upper

172 100

171 36.6 27.9 41.9

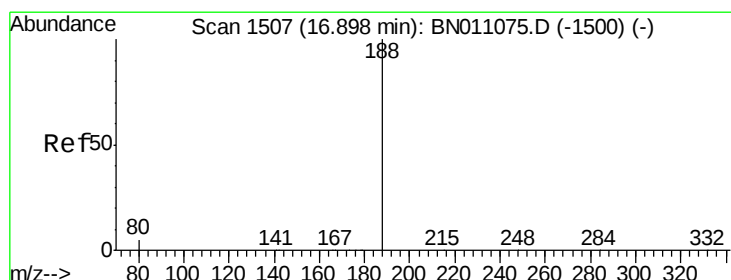
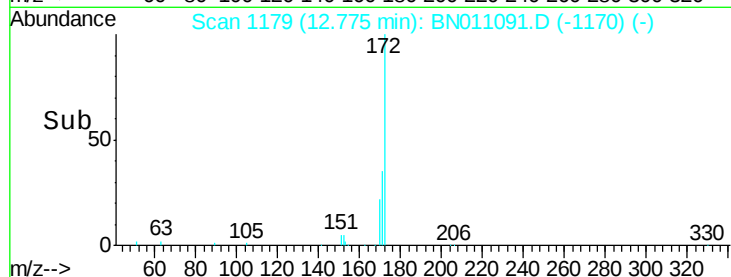
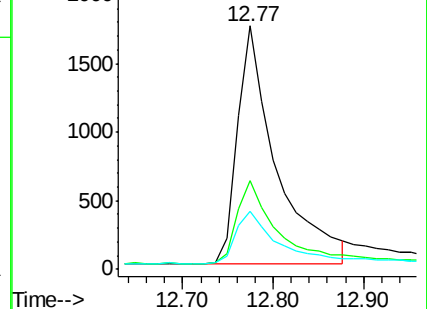
170 23.9 18.7 28.1



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: 16.91 min Scan# 1508

Delta R.T. 0.01 min

Lab File: BN011091.D

Acq: 02 Jul 2020 18:18

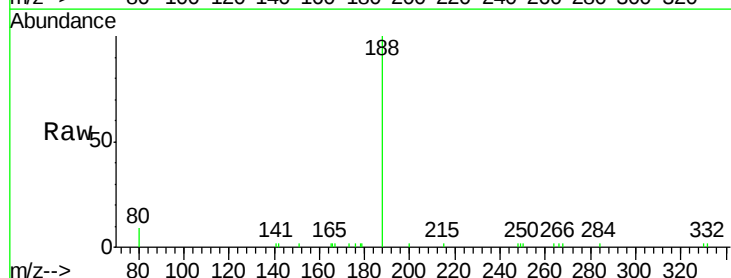
Tgt Ion:188 Resp: 7375

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

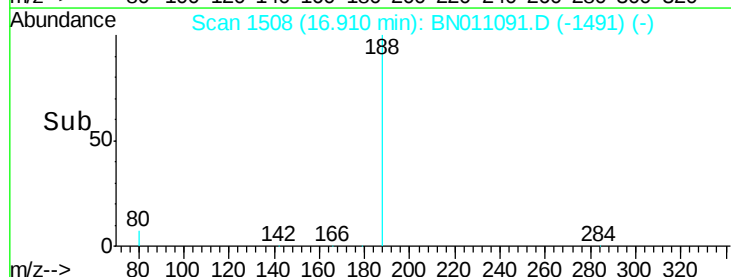
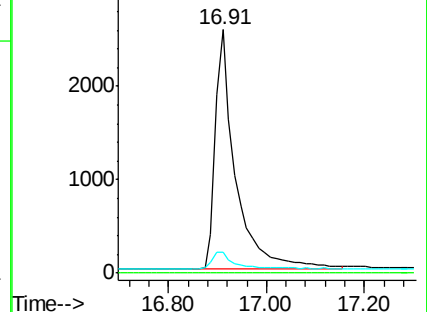
80 8.6 5.3 7.9#

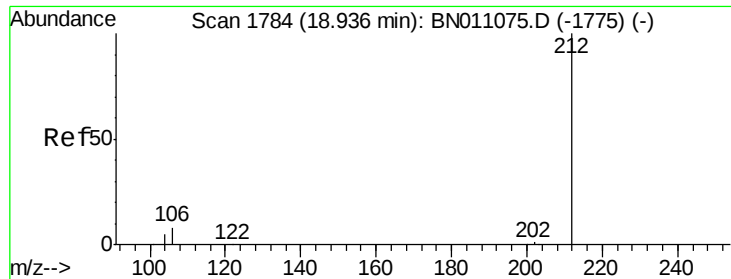


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC





#27

Fluoranthene-d10

Concen: 0.401 ng

RT: 18.94 min Scan# 1785

Delta R.T. 0.00 min

Lab File: BN011091.D

Acq: 02 Jul 2020 18:18

Instrument :

BNA\_N

ClientSampleId :

PB129885BL

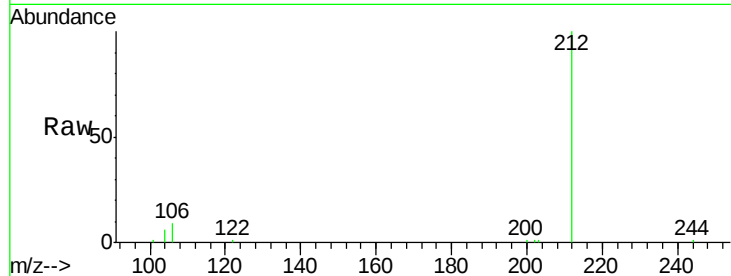
Tot Ion:212 Resp: 8940

Ion Ratio Lower Upper

212 100

106 8.7 7.1 10.7

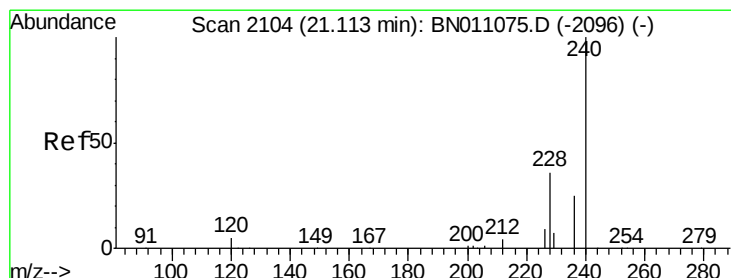
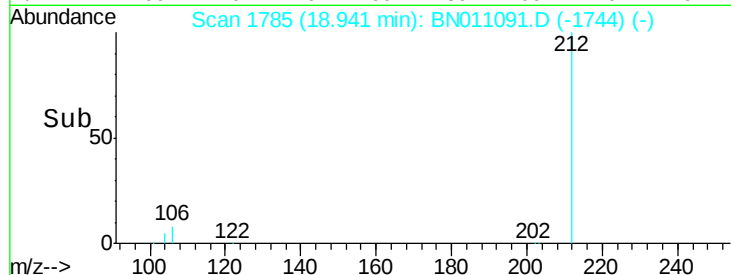
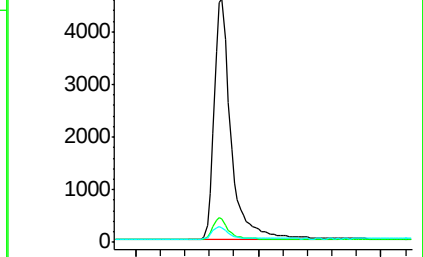
104 5.0 4.2 6.4



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



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.11 min Scan# 2104

Delta R.T. -0.00 min

Lab File: BN011091.D

Acq: 02 Jul 2020 18:18

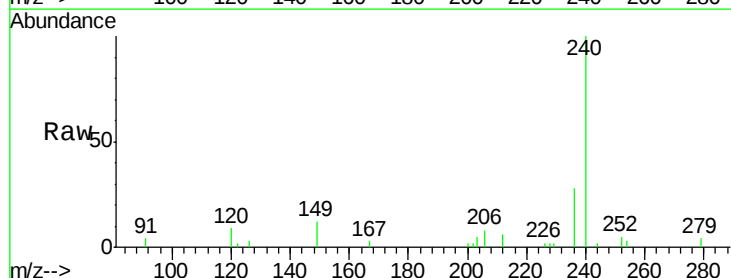
Tgt Ion:240 Resp: 6317

Ion Ratio Lower Upper

240 100

120 9.3 6.5 9.7

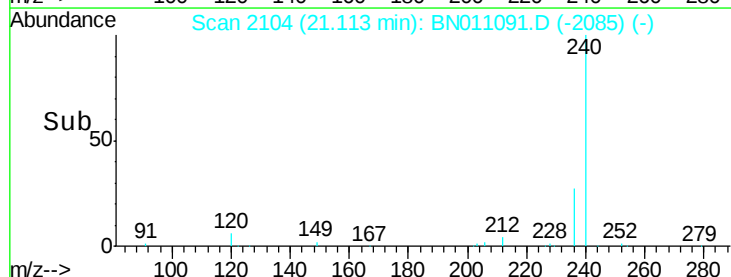
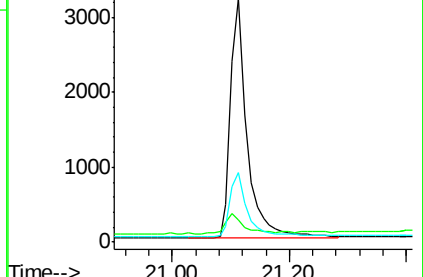
236 28.3 21.9 32.9

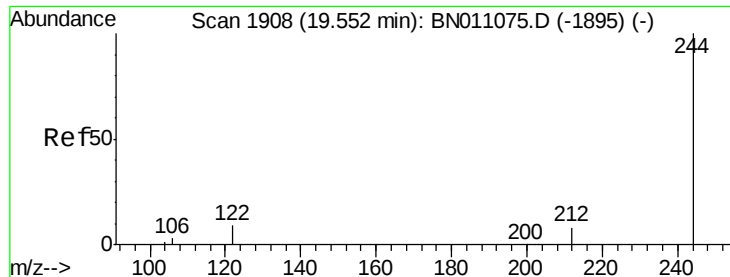


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#31

Terphenyl-d14

Concen: 0.386 ng

RT: 19.55 min Scan# 1908

Delta R.T. -0.00 min

Lab File: BN011091.D

Acq: 02 Jul 2020 18:18

Instrument :

BNA\_N

ClientSampleId :

PB129885BL

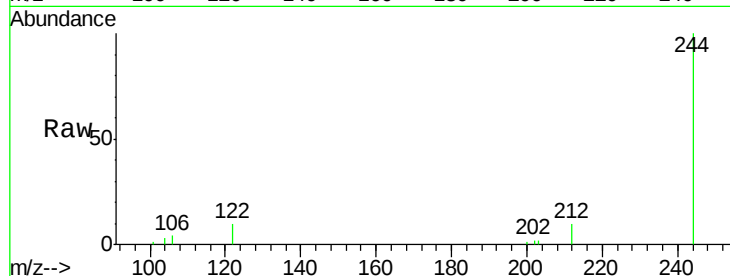
Tot Ion:244 Resp: 6348

Ion Ratio Lower Upper

244 100

212 9.7 7.5 11.3

122 9.8 8.2 12.4

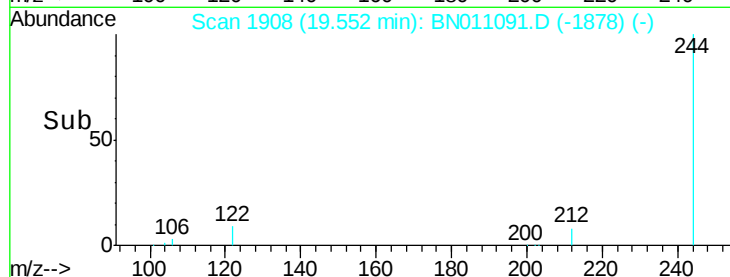


Abundance Ion 244.00 (243.70 to 244.70): E

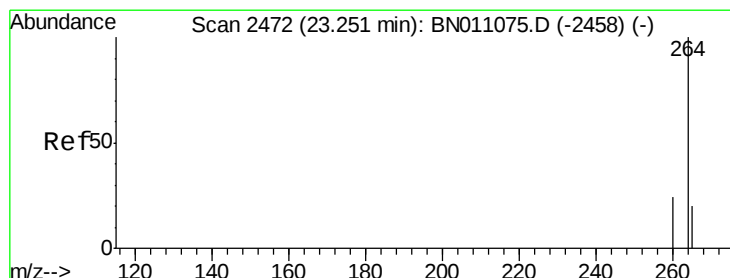
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time-->



Time-->



#36

Perylene-d12

Concen: 0.400 ng

RT: 23.25 min Scan# 2471

Delta R.T. -0.00 min

Lab File: BN011091.D

Acq: 02 Jul 2020 18:18

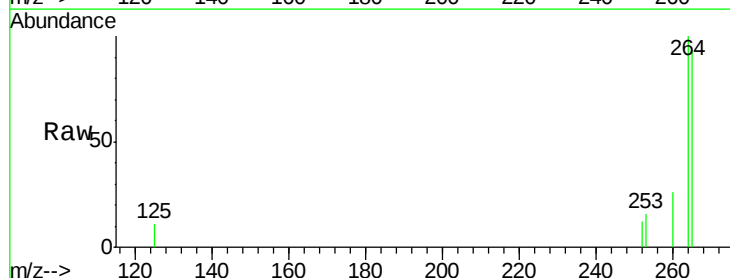
Tgt Ion:264 Resp: 6546

Ion Ratio Lower Upper

264 100

260 25.6 20.4 30.6

265 92.6 83.0 124.6

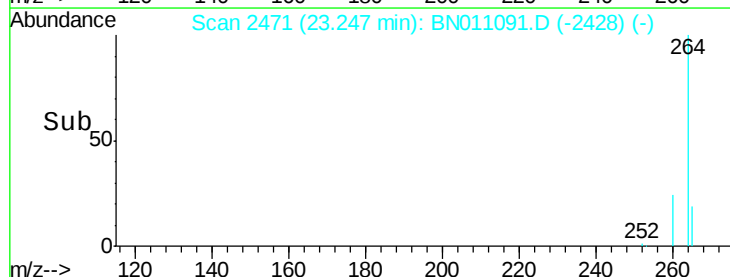


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

Time-->



Time-->